CALPINE

50 WEST SAN FERNANDO STREET
SAN JOSE, CALIFORNIA 95113
408.995.5115
408.995.0505 (FAX)

May 14, 2002

Mr. Steve Munro, Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA 95814

Subject: **Metcalf Energy Center 99-AFC-3**
Monthly Compliance Report #7

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report), Key Events List and Compliance Matrix for the Metcalf Energy Center. This report is for the period beginning April 1 through April 30, 2002.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (925) 200-1193.

Sincerely,

Kristen Sipes

Kristen Sipes
Environmental Compliance Manager
METCALF ENERGY CENTER

Enclosures

cc: Ken Abreu, Calpine
Steve DeYoung, Calpine
Nick LaPorte, Calpine
David Newman, Willdan

Metcalf Energy Center
99-AFC-2

Monthly Compliance Report #7
April 1 – April 30, 2002

1. **Project construction status**

Plant area: Phase One earthwork complete with the exception of the storm water outfall. Keystone retaining wall completed.

Railroad spur: Work complete. Final UPRR certification of spur will occur next month.

South laydown area: Siemens-Westinghouse equipment received, unloaded and placed on wood dunnage at designated areas.

North laydown area: Warehouse erection complete.

Other: Installation of furniture, phone lines and power requirements began in the trailer complexes. Thirteen trailers are on site.

Engineering:

Key Accomplishments

1. The following documents were issued by Burns and Roe Enterprises, Inc.:
   - Civil/Structural Design Criteria and calculations for CBO approval (6)
   - Civil/Structural Drawings for CBO Review (28)
   - Electrical design document for Calpine comments (8)
   - P&IDs for use (3)
   - Equipment specification (5)

2. Engineering Tasks:
   - Burns and Roe continued to support construction effort
   - Continued with design of the cooling tower basin, pipe rack framing, steam turbine platform steel framing and foundation
   - Continued to coordinate design of visual and sound attenuation screens
   - Continued to develop PDS 3D model
   - Continued to review vendor documents
   - Continue to develop under ground services
   - Continue to develop P&IDs
   - Continue to develop calculations for:
     - Circulating Pumps
     - Condensate Pumps
     - Major piping design
     - Electrical grounding
   - The following Electrical tasks are underway:
     - 480V Switchgear Elementary Diagrams
     - Grounding Calculations
     - HRSG Tray Design
     - Development of equipment and installation specifications

3. Major Equipment
    - Combustion Turbine Generators: Both of the CTs are fabricated and are in transit. The generators are in transit. The rail spur at the site is near completion to receive large equipment.
    - Steam Turbine and its generator are in fabrication
    - The condenser is in fabrication
    - HRSG engineering is in progress and design documents are submitted to CBO for approval
    - Evaluating proposals for the Circulating Water Pumps and Condensate Pumps
    - The water treatment system bid package is in preparation
    - Bid clarification meeting with Marley was held and the award of the subcontract will be made shortly

Activities planned for next month

Plant area: Installation of security fence at keystone wall will be completed. Relocation of security fence at two locations around plant site will be completed.
Railroad spur: Punchlist will be completed and certification obtained from UPRR on railroad spur.
South laydown area: Siemens Westinghouse equipment will continue to be received and unloaded.
North laydown area: Equipment requiring power for maintenance will be moved to the temporary warehouse.
Other: Temporary trailer complex will be completed and ready for occupancy. Punch lists on all Phase One work will be completed.
Engineering:

- Provide engineering input to develop the project integrated schedule
- Continue to review vendor drawings for CTGs, STG and HRSGs
- Continue engineering design development
    - Issue Soil Erosion Control Plan for the South Laydown area
    - Pipe rack design
    - Major equipment foundation design
    - 3D model
    - Electrical one line diagrams
    - Equipment specifications
    - P&IDs
    - Equipment list
    - Pipe Specifications
    - Equipment sizing
    - Fire Risk Analysis
    - Grounding calculations
    - Line/Valve/Pipe specialty lists
    - Instrument installation details
- Continue to support construction

MEC Litigation Update

1. The California Supreme Court (Decision 2-28-02)
   a. The Supreme Court denied STCAG appeal on February 28, 2002.
   b. The denial is final and non-appealable in California courts.

2. Sacramento Superior Court (Decision 2-22-02)
   a. MEC's Demurrer was granted on February 22, 2002 dismissing the suit for lack of subject matter jurisdiction.
   b. STCAG had indicated in the press that it intends to appeal this dismissal for lack of subject matter jurisdiction.
   c. Proposed Order Sustaining Demurrer was sent to the Judge for signature on March 14, 2002. The CEC sent a revised order and notice of judgment the last week of April.
   d. We received a notice of intent to file an appeal from STCAG. STCAG will be appealing the Demurrer to the Third District Court of Appeals. As of Friday, May 10, 2002, no documents (other than the notice of appeal) had been filed with the appellate court.

3. U.S. Ninth Circuit Court of Appeals (Pending)
   a. This appeal asks the Federal Court to overturn the decision of the U.S. EPA's Environmental Appeals Board (EAB) confirming that the MEC Prevention of Signification Deterioration (PSD) permit was properly issued.
   b. The Petitioner's initial briefings have been filed, and the U.S. government filed its response brief April 12, 2002.
   c. Calpine's brief will be filed May 13, 2002.
   d. All briefing is schedule to be completed by late- May 2002.
   e. This matter will likely be heard by the Court in November or December 2002.

4. STCAG lawsuit against the City: recycled water line (Pending)
   a. STCAG has sued to stop the City's construction of its preferred waterline route.
   b. Administrative record is being prepared.
   c. Plaintiff's brief received. Calpine's brief is due 6/6/02. STCAG's reply brief is due 6/17/02.
   d. Hearing set for 6/20/02.

2. Documents required to be submitted with Monthly Compliance Report

AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	Receipt of Ultra Low Sulfur Fuel is attached. Copy of Top Grade contract language stating use of ultra-low sulfur fuel and restrictions to engine idle time attached.

BIO-2	Summary of Designated Biologist's written records is attached.
BIO-6	WEAT training presented to 43 on site personnel.
CUL-5	WEAT training presented to 43 on site personnel.
CUL-7	Weekly construction schedules are attached.
CUL-8	Weekly summary reports attached.
PAL-3	WEAT training presented to 43 on site personnel.
PAL-4	A summary report is attached.
LAND-1	There is no update on trail developments.
SOCIO-1	List of planned procurement of materials and hiring outside the local regional area is attached.
GEN-3	Copy of March payment to CBO not yet available. Will be in next report.
TRANS-1	7 oversize/overweight permits were obtained.
TRANS-2	Copy of Caltrans encroachment permit attached.

3. **Compliance matrix**
   A Compliance Matrix is attached.

4. **Conditions that have been satisfied during the reporting period**

LAND-11	Design specifications for HRSG's approved.
CUL-5	Documentation that WEAT was administered was approved.
VIS-1	Retaining wall approved.
VIS-5	Submitted revised Monterey Road landscaping plan to the City of San Jose Department of Public Works.
WORKER SAFETY-1	Submitted response to San Jose Fire Department's comments on Housekeeping, Fire Prevention and Protection Plan.
GEO-2	Engineering Geology Report was approved by the CBO.
CIVIL-1	Civil Plans (less Construction Facilities Plan) were approved by the CBO.

5. **Submittal deadlines not met**
   There are no outstanding pre-construction submittals.

6. **Approved COC changes**
   - A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.

7. **Filings or permits with other agencies**
   - Permit received from Santa Clara County Department of Environmental Health for two holding tanks.
   - Permit received (no. 02430) April 17, 2002 from Santa Clara Valley Water District to install a 16-inch natural gas line across Coyote Creek by horizontal directional drill.

- Encroachment permit received from the California Department of Transportation to install a 16-inch gas main by jack and bore method.

8. **Projection of project compliance activities for next two months (May-June)**

AQ-41 and 51	Surrender emission reduction credits
AQ-48	Will follow dust mitigation measures
AQ-49 and 50	Dust will be monitored and activities recorded
CUL-5	Training will be provided as needed
CUL-7	Will submit weekly schedule to resource specialists
CUL-8	Cultural specialist will perform required duties when necessary
CUL-9	Cultural specialist will perform required duties when necessary
BIO-2	Biologist will perform required duties when necessary
BIO-6	Training will be provided as needed
BIO-7	Submittal of permit application to Department of Fish and Game to install stormwater outfall
BIO-9	Submittal of permit application to U.S. Army Corps of Engineers to install stormwater outfall
SOIL/WATER-7	Submittal of permit application to Regional Water Quality Control Board to install stormwater outfall
PAL-3	Training will be provided as needed
PAL-4	Paleo specialist will perform required duties when necessary
VIS-5	Will complete installation of aesthetic screen and notify CPM when it is ready for inspection
VIS-10	Will submit revised Plume Abatement Plan
VIS-12	Will submit plan for Blanchard Road landscaping
GEN-8	Will submit as-builts to CBO for work completed to date and provide CBO notification that work is ready for inspection.

9. **Additions to on-site compliance file**
   - Silt fence inspection logs
   - Straw bale inspection logs
   - Public road cleaning logs
   - Erosion and sediment control inspection logs
   - Water truck logs
   - Biological monitor daily logs
   - WEAT training logs

10. **Requests to dispose of items**
    None

11. **Listing of complaints, notices of violations, official warnings, and citations**
    Attached.

12. List of facility design submittals, comments and approvals to CBO
Matrix and comments are attached.

CBO Approvals:

- CIVIL-1: Civil Plan submittal (less Construction Facilities Plan) Approval from CBO attached per requirements of CIVIL-1.
- GEO-2: Engineering Geology Report
- STRUC-1: Design wind speed
- STRUC-1: Report on Seismic Design Motions
- STRUC-1: Specifications 03100, 03390, 03600
- STRUC-1: Design Report for W501F Exhaust System Diffuser
- STRUC-1: General Notes and Typical Drawings

KEY EVENTS LIST

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

KEY EVENTS LIST

PROJECT: Metcalf Energy Center **DATE ENTERED:** September 24, 2001

DOCKET #: 99-AFC-3 **PROJECT MANAGER:** Nick LaPorte

Event Description	Date Assigned
Date of Certification	September 24, 2001
Start Rough Grading	February 1, 2002
Complete Rough Grading	August 1, 2002
Start of Construction	November 4, 2002
Completion of Construction	January 5, 2004
Start of Operation (1st Turbine Roll)	May 3, 2004
Start of Rainy Season	Mid-October
End of Rainy Season	Mid-March
Start T/L Construction	January 13, 2003
Complete T/L Construction	November 14, 2003
Start Fuel Supply Line Construction	September 3, 2002
Complete Fuel Supply Line Construction	September 5, 2003
Start of Water Supply Line Construction	April 1, 2002
Completion of Water Supply Line Construction	November 1, 2002
Start Implementation of Erosion Control Measures	January 14, 2002
Complete Implementation of Erosion Control Measures	June 1, 2004

Condition of Certification AQ-48

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

Summary of monthly activities related to the Fugitive Dust Control Plan:

Activities to prevent fugitive dust include both watering unpaved road surfaces and exposed soil and sweeping of paved public roadways and the site access road, which was paved in late April. One water truck was present on site daily through April 19th to water high traffic areas and, during windy conditions, exposed areas.

The vacuum mechanical sweeper, which was present on site daily through April 18th, focused on Blanchard Road from the railroad crossing to Monterey Road and in front of the businesses south of Blanchard. The sweeper also cleaned Monterey Road between Metcalf Road and Bailey Road daily.

Hydroseeding of exposed slopes occurred in late April. These areas will be monitored to ensure that the hydroseed mixture remains intact.

Condition of Certification AQ-52

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

Coast Oil Company LLC

[illegible] WILLIAMS ROAD, SAN JOSE, CA [illegible]

[illegible] NO. [illegible]0584951 — OFFICE (408) [illegible]

[illegible] SALE NO. SR GH 97953643 — OFFICE FAX (408) [illegible]5263

[illegible] RESALE NO. SC GH 78020404 — PLANT (408) [illegible]

ORDER DESK (408) 342-0222

INVOICE NUMBER [illegible]

[illegible] CONSTRUCTION [illegible]
[illegible] CONTRACTORS STREET
[illegible]VERMORE, CA 94550
[illegible] 287-3207

SHIP TO [illegible]
50 CONTRACTORS STREET
LIVERMORE, CA 9455[illegible]
(925) [illegible]

ORDERED BY	PURCHASE ORDER NUMBER	SALESMAN	TERMS	DUE DATE
	602-E18-05	DEDLAO[illegible]	NET 10	

ROUTE NUMBER	DELIVERY DATE	TRUCK NUMBER	DRIVER	HTR NUMBER	TIME IN	TIME OUT	MILES
	04-10-02	99	99				

NO. OF PKG'S	BULK OR PKG. SIZE	PRODUCT DESCRIPTION	QUANTITY ORDERED	QUANTITY DELIVERED	TAXES FED	TAXES STATE	TAXES SALES	PRICE	AMOUNT
		[illegible]RA LOW SULPHUR DIESEL [illegible]	[illegible]						
		CLEAR DIESEL FEDERAL EXCISE	299[illegible]	2993					
		CLEAR DIESEL STATE EXCISE T	29[illegible]						
		FEDERAL SUPERFUND	2993						
		OIL SPILL FEE	[illegible]						

*** DELIVERY MESSAGE ***
EFFECTIVE APRIL 1, 2002
DIESEL PRECOLLECTED TAX WILL BE .075

[illegible]	BEFORE	AFTER	[illegible] NO. / TANK I.D.

THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPERFUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.

SALES TAX

TOTAL

Project: Metcalf Energy Center May 3, 2002
Contract No. MECLC-0004 C.O. #: 005

To: Top Grade Construction Inc.
324 Earheart Way
Livermore, CA 94550

Exhibit A

1.) Remove and replace culvert due to a conflict with an existing gas line.

- Top Grade Construction Quote dated 1/7/02: $7,795.00
- Remove concrete debris from trench. Add fabric and sand, separate concrete debris.
- Preston pipelines. $3,024.44 + 15% = $3,478.11
- Remove concrete debris $6,782.50

2.) Regrade 'M' Line on Blanchard Road: $1,744.00

3.) Dig out, plug and lime treat offramp:

- 25,000 sf at $0.65/sf = $16,250.00

4.) Change the fill material to Baserock at Blanchard Road on West side of railroad tracks. $11,698.83

5.) Add fabric to Blanchard Road on West side of tracks:

- 570 sy X $1.00 / sy = $570.00

6.) Repair electrical lines and pull boxes buried by previous overlay projects:

- St. Francis Electric
  - 1/7/02: $1,028.58 + 15% = $1,182.87
  - 1/8/02: $1,339.85 + 15% = $1,540.83
  - 1/24/02: $2,861.27 + 15% = $3,290.46

7.) Install additional 3" PVC Conduit per Calpine:$4,800.00 + 15% = $5,520.00*

8.) Metal Beam Guardrail Changes:

- MBI: $529.76 + 15% = $609.22

9.) Remove and Replace Driveway at Existing Residence: = $1,500.00

10.) Pay Item B5 "Headwalls":

= Deduct: <$6,500.00>

11.) AC Patching at Pipe Outfalls in Lieu of Headwall for City of San Jose:

Add: $4,781.14

12.) Silt Fence Not Installed:

= <$4,488.00>

13.) Sub-contractors shall use ultra-low-sulfur fuel in diesel burning construction equipment as identified in the Construction Mitigation Plan.

14) Contractors and sub-contractors are to keep engine idle of equipment time to 10 minutes or less to the extent practical. —

TOTAL CHANGE ORDER AMOUNT: $55,754.96

5/9/02

Condition of Certification BIO-2

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

FOR APRIL 2002

METCALF ENERGY CENTER

BIOLOGICAL MITIGATION MONITORING

Summary from Designated Biologist, April 2002

The Designated Biologist, Co-Designated Biologist attended a field visit of the Preserve lands with Stuart Itoga and Natasha Nelson of the California Energy Commission and Stuart Weiss on April 1, 2002. The purpose of the visit was to observe the effectiveness of the Preserve and to discuss any ongoing project concerns or issues.

Calpine continued to resolve the non-compliance issued for the intrusion of the security fence into the 25-foot Fisher Creek riparian corridor setback. Remedial actions were not completed in April but are expected to be complete in May 2002. No riparian trees were affected by the misplaced security fence. April activities were in compliance with the CEC designated biological Conditions of Certification.

Biological Resources

Mitigation Monitoring for the

Metcalf Energy Center

MONTHLY COMPLIANCE REPORT #7

April 2002

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Biological Resources Mitigation Monitoring for the Metcalf Energy Center

Monthly Compliance Report-April 2002

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APPENDICES

METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

April 2002

INTRODUCTION

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.

- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.

- An approximately 10.2-mile water pipeline from a tap into the South Bay Water Recycling Program's (SBWR) existing main pipeline in eastern San Jose will be used for cooling water.

- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.

- A stormwater detention basin and discharge outfall structure to Fisher Creek.

- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.

- A second access road (west access road) may extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.

- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (FWS), U. S. Army Corps of Engineers, National Marine Fisheries Service, California Department of Fish and Game, and Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during April 2002.

MONITORED MITIGATION MEASURES

A Worker Environmental Awareness Training (WEAT) program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. During April, the WEAT program was administered as required by BIO-6 of the "Conditions of Certification"(COC) from the CEC *Commission Decision*.

In compliance with COC BIO-2, the Biological Monitor examined and cleared Phase 1 activity areas immediately prior to and during April activities.

The following conditions described in the FWS Biological Opinion (BO) remained pertinent to the April monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas (following the 10 days of daily surveys conducted in January).
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features daily.
- Concrete trucks must be washed within a designated area with a surrounding berm.

The Monitor was available throughout the month to respond to biological issues as needed. April activities are described below.

SUMMARY OF ACTIVITIES

This report includes project activities that took place during April 2002. April activities included phase 1 site preparation and presentation of the WEAT program to project personnel. The following provides a description of these activities. All ground disturbance activities in new construction areas and areas not disturbed for several days were monitored by the Biological Monitor for potential impacts to wildlife. Relevant photographs are included in Appendix A. A cumulative wildlife species list is included in Appendix B. Wildlife Observation forms are included in Appendix C and WEAT sign-in sheets are included in Appendix D. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

Phase 1 Site Preparation

April Phase 1 site activities included paving of the main access road; installation of a security fence; installation of utility structures; excavation of the stormwater outfall basin; back-filling/compaction of sub-excavations; retaining wall installation; preparation of the north laydown yard; erosion control; and power plant material storage. Many of these activities will likely continue into May 2002.

The Biological Monitor performed general and species-specific wildlife clearance surveys immediately prior to and during all ground disturbance activities. The Biological Monitor continued to survey for injured, dead, or entrapped wildlife throughout each construction zone after initial site disturbance. In compliance with FWS requirements, the Biological Monitor continued to perform surveys for California red-legged frogs in and around all work areas. In addition, the Biological Monitor surveyed Fisher Creek for bullfrogs.

Offsite Main Access Road
Asphalt paving of the offsite portion of the main access road began on April 25th. Phase 1 work only includes the paving of the first 400 feet of access extending from Blanchard Road to the railroad spur. Final construction of the offsite portion of the access road will likely be completed May 2002. The remaining access extending into the site will be paved during a future phase of site construction.

Security Fence
Installation of the security fence continued this month along the eastern boundary of the north laydown yard. A power auger was used to dig the postholes. Each post, spaced approximately 12 feet apart, was reinforced with concrete. In addition, fabric was attached to the fence to provide a visual screen. Installation of the security fence will likely be completed in May 2002.

Last month, portions of the security fence were installed within the 25-foot no-work setback from the Fisher Creek riparian corridor, a condition included in the Santa Clara Valley Water District (SCVWD) construction activities permit. Violation of the SCVWD permit condition was reported to the Calpine Compliance Manager (CM) on March 27, 2002. A compliance verification report was prepared and submitted to the CM on April 5, 2002. The remedial action for the non-compliance includes realignment of the security fence outside the 25-foot setback as soon as possible. Realignment was not initiated in April but is expected to begin in May 2002.

Office Center
A temporary office center will be built to accommodate an estimated 80 personnel during construction of the power plant. The office center is located north of the temporary railroad spur adjacent to the main access road.

Installation of the office units began on April 18th and will likely continue next month. Two septic tanks were buried adjacent to the office center April 11th. The excavations into which the tanks were inserted were inspected for entrapped wildlife prior to installation of the tanks. No wildlife were observed within the septic tank pits.

On 4/24/2002, a member of M.A. Mortenson found a dead California ground squirrel (*Spermophilus beechyii*) adjacent to office center installation activities. The Biological Monitor was contacted immediately and advised the worker that the specimen should remain onsite until the Biological Monitor could inspect and remove the carcass. The phone conversation suggested that the squirrel was not likely killed by installation activities. See appendix C for Wildlife Observation Forms.

Construction Materials Storage Area
A temporary construction materials, hazardous materials, and supply storage area will be used during construction of the MEC. This storage area will be located on the north laydown yard.

Preparation of the storage area began on April 11th with the installation of a concrete foundation. After the foundation was completed, steel roofing supports and a fabric roofing material were installed. Following construction of the MEC, the construction materials storage area will be removed from the north laydown yard, restoring the site to agricultural land. Construction of the storage area will likely be completed in May 2002.

Utilities
Electric power and telephone service will be provided for both the temporary office center and construction materials storage area. These buried service lines connect to an existing aerial utility line located adjacent to the MEC near the junction of Monterrey and Blanchard Roads.

On April 3rd, transformer boxes were placed on a concrete pad adjacent to the temporary office center. Also this month, utility line conduit was installed inside 2-foot deep trenches providing service to the materials storage area. Trenches left open overnight were equipped with sloped ends to provide a means of escape for entrapped wildlife.

A temporary water line will extend from an existing well, located in the agricultural field west of the south laydown yard, to the temporary office center. On April 26th, the contractor continued trenching the remaining 30 feet of water line, extending from the south laydown yard west to the existing water well. The majority of the line had been installed in February. A 3000-gallon tank and pump will likely be installed in May 2002.

Stormwater Outfall Basin
Last month, excavation of the stormwater outfall basin was halted due to discovery of Native American remains. On April 3rd, the California Energy Commission (CEC) granted continuance of the basin excavation. A grader, skip loader, and bulldozer were used to complete this task. Excavation of the outfall basin was completed this month.

The stormwater outfall basin will be equipped with an outfall pipe providing overflow relief into Fisher Creek. On April 4th, the Biological Monitor met with Calpine's Environmental Compliance Manager and site engineers to discuss alignment of the outfall pipe. Staking for the alignment directed the pipe towards a black walnut tree located within the Fisher Creek riparian corridor. The Biological Monitor worked collaboratively with the Compliance Manager and engineers to reorient the outfall pipe alignment to avoid the dripline of any riparian trees.The Biological Monitor delineated the dripline of 2 Black walnut trees located atop Fisher Creek levee adjacent to the proposed stormwater outfall pipe re-alignment. Laths and flagging were used to demarcate the drip line of the trees, which will be avoided when construction of the outfall begins. Construction of the outfall is likely to begin during Phase 2 activities.

Sub-excavations
This month, sub-excavations of the MEC footprint site were back-filled to elevations above original grade. Equipment used included dirt hauling trucks, compactors, and graders. The high level of traffic was managed appropriately, as all machinery and haul trucks remained on designated access routes inside construction work boundaries. Final grading and compaction of the elevated footprint site was completed this month. The area was inspected daily for hazardous fluid leaks and injured wildlife.

Retaining Wall
Installation of a retaining wall began On April 1st. The retaining wall extends from the northeast corner of the MEC site south approximately 600 feet along the eastern side of the footprint site. The wall stands approximately 8 feet tall and is constructed from masonry brick. Concrete was not used for installation of the wall.

Construction included a 2-foot deep trench for the wall footing. The trench had sloped ends to provide escape for entrapped wildlife. The Biological Monitor inspected the open trench daily for entrapped wildlife. Construction of the retaining wall was completed this month.

North Laydown Yard
Preparation of the north laydown yard continued through April. Similar to the south laydown yard, the north laydown yard will be equipped with a series of access routes and storage quadrants. April activities included construction of an access route and grading/compaction of portions of the north laydown site. All work was confined to previously disturbed construction zones.

Preparation of the laydown yard will likely continue during Phase 2 construction. Phase 2 work will include removal of a temporary soil stockpile, and continued installation of access routes and storage quadrants.

Erosion Control
On April 29th, hydro seeding was used to provide erosion control on of all exposed slopes and soil stockpiles. The stormwater outfall basin was also hydro seeded. Silt fence and hay bales were installed around the temporary soil stockpile. Hydro seeding will likely continue into May 2002.

The seed mix used to stabilize the slopes includes California native brome (*Bromus carinatus*), California melicgrass (*Melica californica*), blue wild rye (*Elymus glaucus*), California golden poppy (*Eschscholzia californica*), arroyo lupine (*Lupinus succulintus*), and zorro fescue (*Vulpia myuros*).

Existing erosion measures were inspected periodically throughout the month, particularly after rainfall events. This month's rain events were limited to April 28 and 29 and were characterized by light showers. All erosion control measures were in good repair and function.

Power Plant Materials Storage
Throughout the month of April heavy haul trucks transported and unloaded power plant structures onto the south laydown yard. All transport trucks remained on existing access routes previously constructed in the south laydown yard. These activities will likely continue indefinitely until all structures and supplies have been delivered.

All large machinery was removed from the site in April. Phase 1 Site Preparation activities are expected to end in May 2002. The remaining Phase 1 activities include continued installation and re-alignment of the security fence; continued installation of the construction material and hazardous materials storage area; completion of the temporary water supply line; final construction of the main access road; installation of guard rails; curbing and grading of road shoulders; and continued construction of the temporary office center.

WORKER ENVIRONMENTAL AWARENESS TRAINING

In April, WEAT continued with the presentation of a training video, distribution of WEAT handbooks, and a question and answer period with the Biological Monitor.

A total of 43 personnel received WEAT training during March for a total of 262 employees trained at the Metcalf Energy Center. A list of April WEAT attendees is included in Appendix D. Signed affidavits are kept on file by both Calpine's Compliance Manager and the Designated Biologist.

GENERAL NOTES AND OBSERVATION

April represented the forth month of significant construction activities associated with the MEC project. Work was conducted at scale that was manageable for the Biological Monitor. Construction personnel continue to be cooperative in allowing the Biological Monitor to conduct pre-construction surveys and monitoring activities. Construction personnel also continue to be cooperative in contacting the Biological Monitor to alert them of potential biological issues throughout the project area.

The Biological Monitor continued surveys of the project site and vicinity to assess nesting activity within 500 feet of project activities. Areas surveyed included the Fisher and Coyote Creek riparian corridors as well as other trees located in the vicinity. No sensitive species were observed nesting, however, active nesting was observed by bushtit (*Psaltriparus minimus*), common raven (*Corvus corax*), house sparrow (*Passer domesticus*), Bullock's oriole (*Icterus bullockii*), and cliff swallow (*Petrochelidon pyrrhonotta*).

On April 4th, during a routine survey conducted along Fisher Creek, the Biological Monitor found a decapitated song sparrow (*Meloapiza melodia*). The mortality was likely due to contact with PG&E's overhead transmission lines. On April 11th, the Biological Monitor found a dead Bobcat (*Lynx rufus*) and red-tailed hawk (*Buteo jamaicensis*), both killed on Monterrey road by vehicular traffic. The death of these individuals was not project related.

A verification report that recorded a non-compliance was submitted to the Calpine CM, April 4 2002. The report documented an incidence of non-compliance for two sections of security fence, both of which were installed inside the 25-foot no-work setback zone (SCVWD construction permit condition). As a resolution, the non-compliant fence would be re-aligned outside the no-work setback zone. The Biological Monitor met on separate occasions with Calpine's Environmental Compliance Manager, general contractor, and site engineer to evaluate where re-alignment was needed. Calpine planned to resolve the matter as soon as possible, expected April or May 2002.

In April there was no follow-up discussion between the designated biologist and the CEC about concerns with the northern boundary of the site. This concern is to be resolved and continued discussions are expected between Calpine and the CEC .

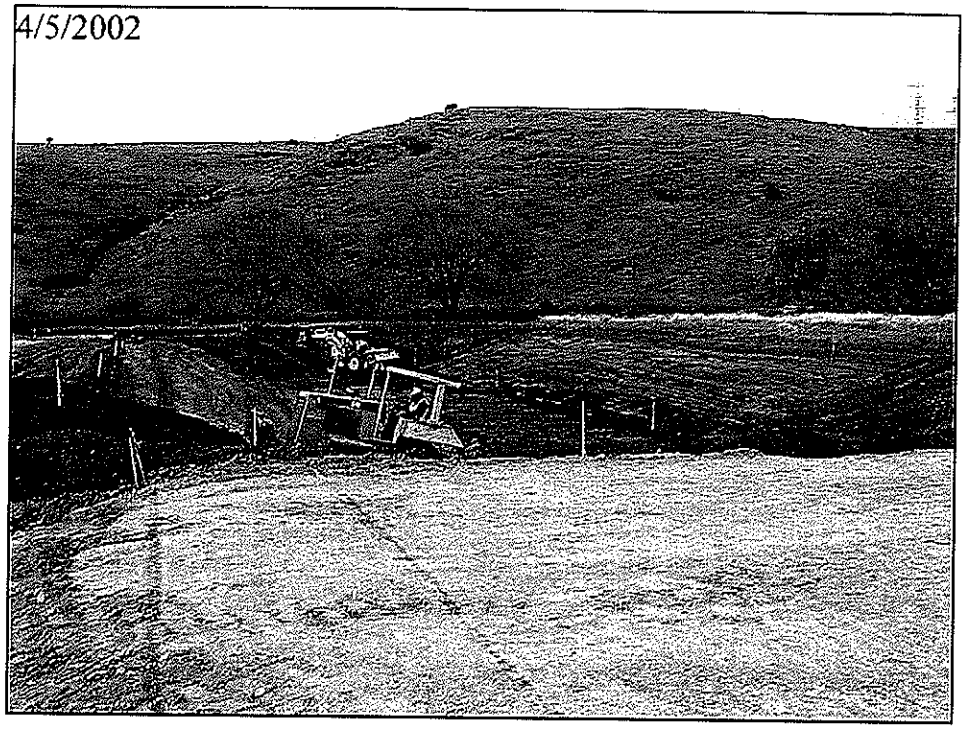
Management of the MEC Ecological Preserve includes implementation of a grazing plan for the Tulare Hill portion of the Preserve. On April 2nd, seven head of cattle (mature bulls) were released on the Tulare Hill. In addition, two cattle troughs placed at the base of Tulare Hill will be refilled using a 500-gallon water tank attached to a trailer. The water tank will remain parked adjacent to the troughs, and the troughs refilled as needed. Periodically, the tank will be removed from the Preserve using a pick-up truck and refilled using an existing water well located on the agricultural field just west of the south laydown yard. The Land Trust for Santa Clara County is proposing to install a water well inside the 2nd enhancement area of the ecological preserve to provide water for both the cattle troughs and mitigation plantings areas.

MEC Ecological Preserve Dedication to the Land Trust for Santa Clara County

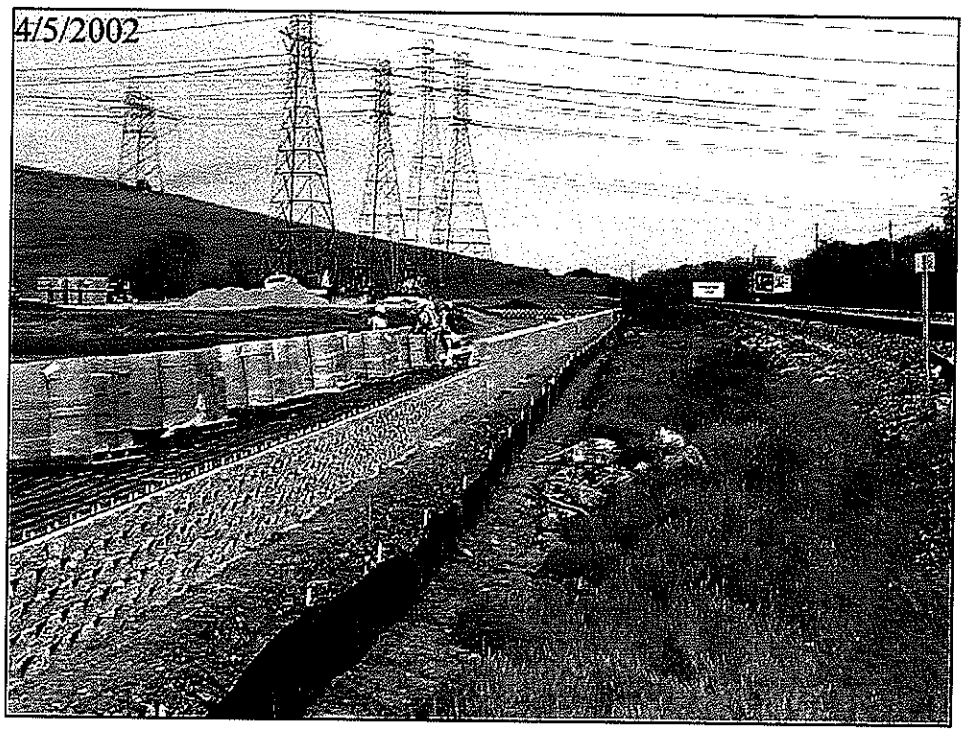
A dedication of the Metcalf Energy Center Ecological Preserve was held on April 19th. Calpine Corporation donated 131 acres of land, including portions of Tulare Hill, Fisher Creek, and Coyote Ridge, to The Land Trust for Santa Clara County. Speakers at the ceremony included Stuart Weiss, Ph.D. (bay checkerspot butterfly specialist) and Peter Cartwright (Chairman, CEO & President, Calpine Corp.). Attendees included representatives from the Audubon Society and Sierra Club.

APPENDIX A

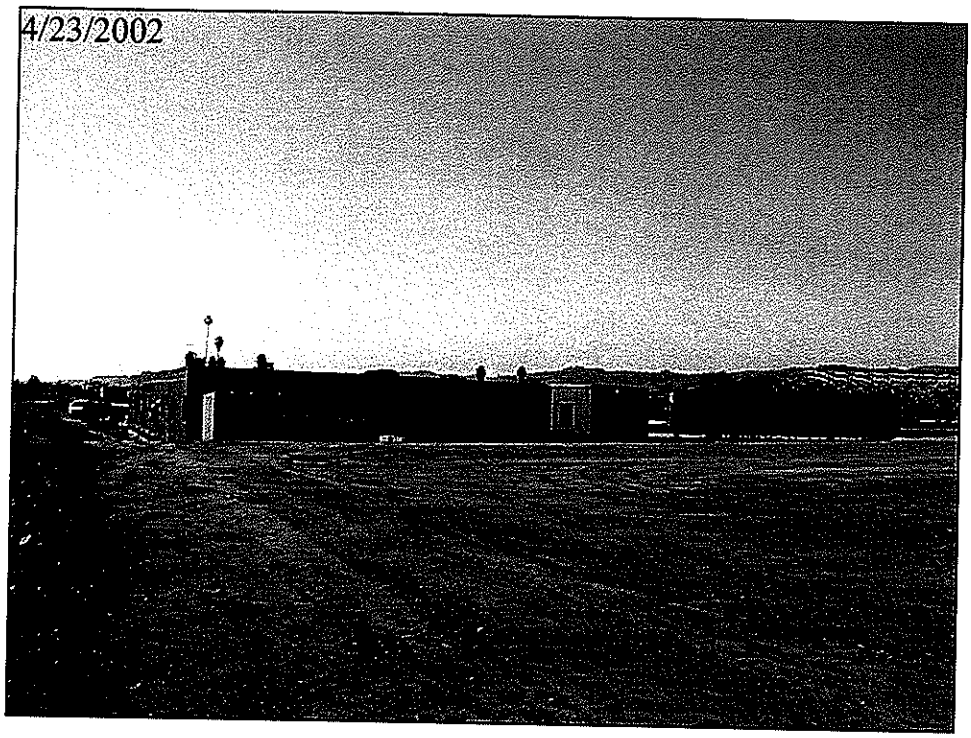
Photographs



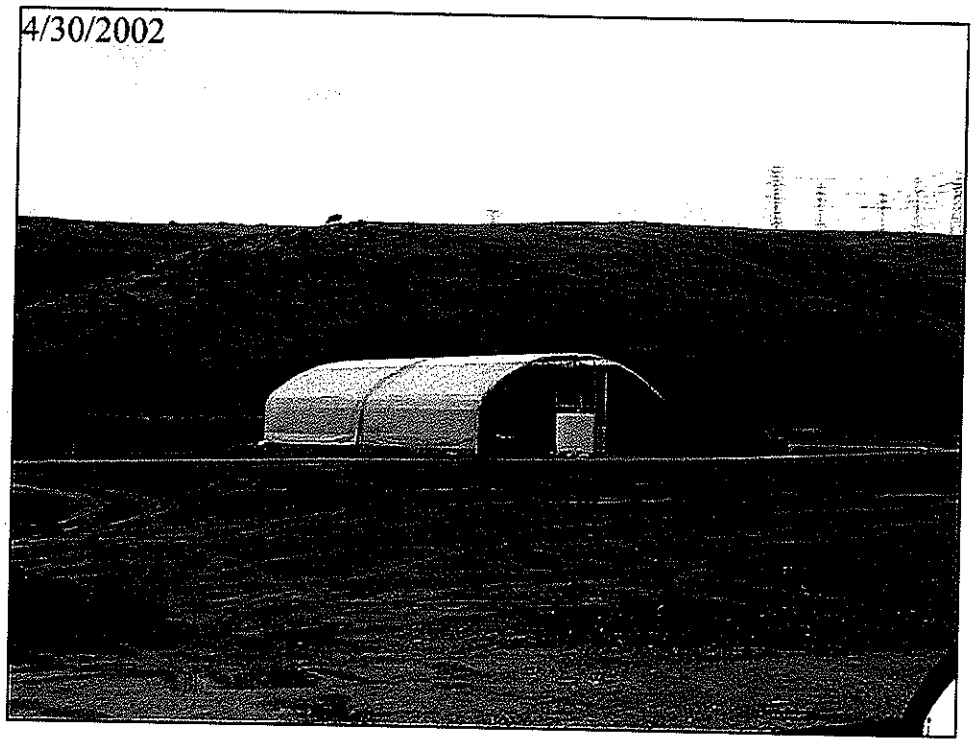
Excavation of Stormwater Basin



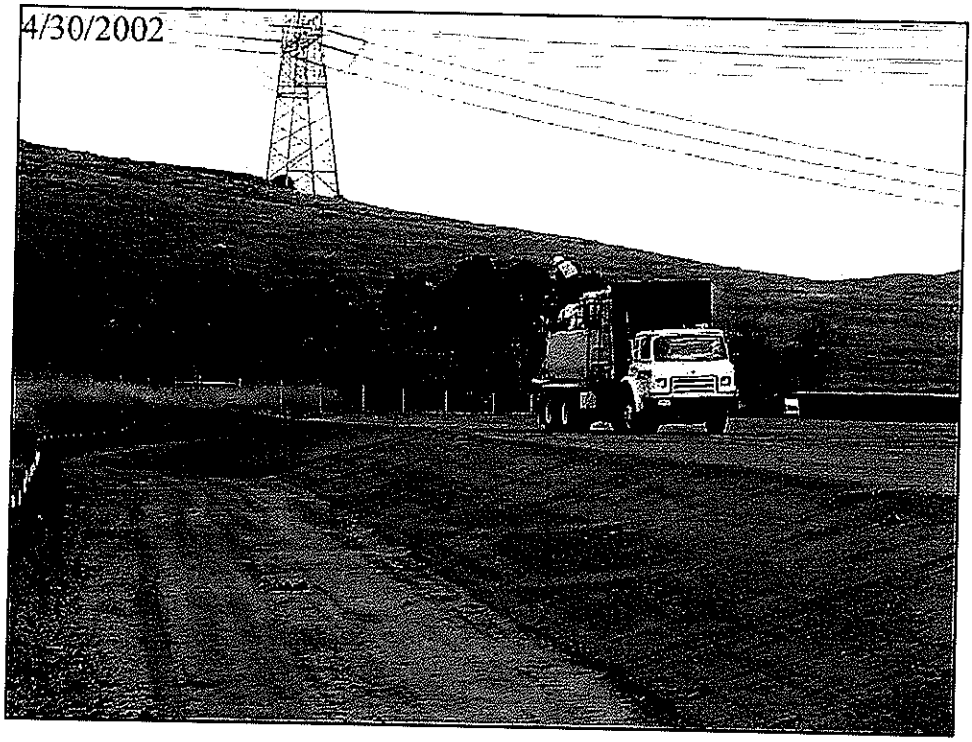
Retaining Wall Construction



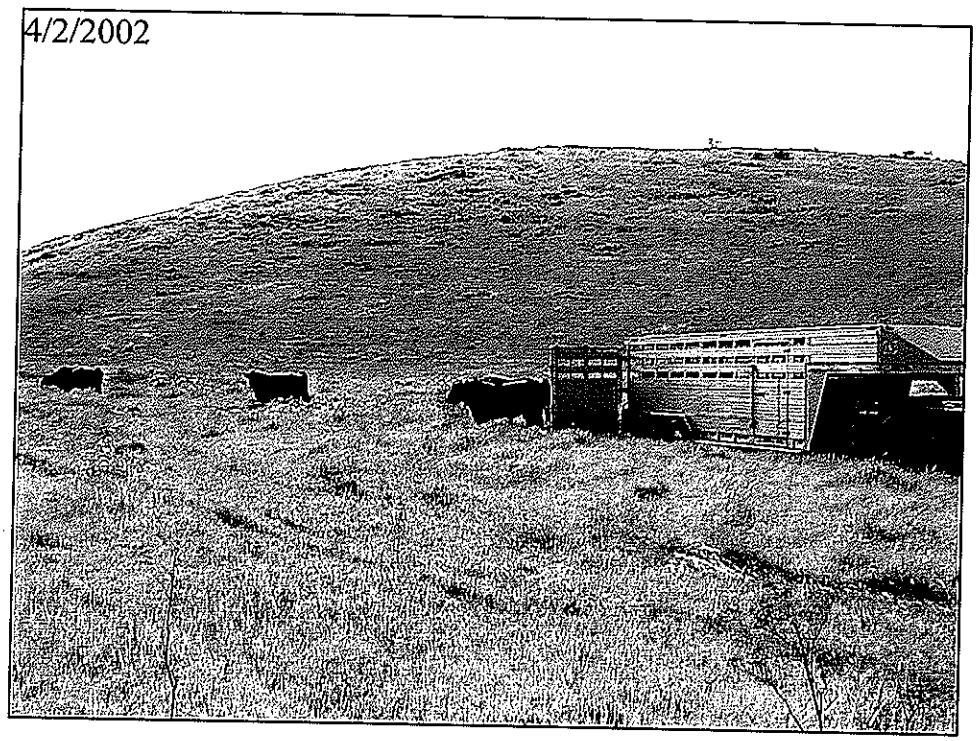
Office Center



Construction Materials Storage Area In Laydown Yard



Hydro-seeding Slopes



Release of Cattle on Preserve

APPENDIX B

Cumulative Wildlife Species Observed In or Near the Project Area

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to April 30, 2002)

Common Name	Scientific Name	Location
INSECTS		
Bay checkerspot butterfly	*Euphydras editha* spp. *Bayensis*	TH
Cabbage white butterfly	*Pieris rapae*	EC
Anise swallowtail butterfly	*Papillio zelicaon*	TH
Buckeye butterfly	*Precis coenia*	TH
Painted lady butterfly	*Vanessa cardui*	EC
Opler's longhorn moth	*Adela oplerella*	TH
Tarantula	*Eurypelma californicum*	TH
AMPHIBIANS AND REPTILES		
Pacific tree frog	*Hyla regilla*	TH, FC, EC
Arboreal salamander	*Aneides lugubris*	TH, EC
Western fence lizard	*Sceloporus occidentalis*	EC, TH, LA, FC
Side-blotched lizard	*Uta stansburiana*	EC
Southern alligator lizard	*Elgaria multicarinata*	EC, TH
Western skink	*Eumeces skiltonianus*	TH
Gopher snake	*Pituophis melanoleucus*	EC, LA, FC
BIRDS		
Pied-billed grebe	*Podilymbus podiceps*	FC, CC
Double-crested cormorant	*Phalacrocorax auritus*	CC*
Canada goose	*Branta canadensis*	EC*, CC
Mallard	*Anas platyrhynchos*	FC, CC
Gadwall	*Anas strepera*	FC
Wood duck	*Aix sponsa*	FC, CC
Common merganser	*Mergus merganser*	FC
Hooded merganser	*Lophodytes cucullatus*	FC
American coot	*Fulica americana*	FC, CC
American white pelican	*Pelecanus erythrorhynchos*	EC*
Great blue heron	*Ardea heroides*	FC
Green heron	*Butorides virescens*	FC, CC
Great egret	*Casmerodius albus*	FC
Killdeer	*Charadrius vociferus*	LA, LEA*,EC
White-tailed kite	*Elanus caeruleus*	FC
Northern harrier	*Circus cyaneus*	FC, TH

Location:

CC = Coyote Creek Riparian Corridor
EC = Metcalf Energy Center Plant Site
FC = Fisher Creek Riparian Corridor
GP = Gas Pipe Line Corridor
LA = Laydown Area
TH = Tulare Hill Ecological Preserve
TL = Transmission Line Corridor
WL = Water Line Corridor
LEA = Laydown expansion area

Notes:

* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest, track)

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to April 30, 2002) (Continued)

Common Name	Scientific Name	Location
BIRDS (continued)		
Turkey vulture	*Cathartes aura*	EC*, TH, LA
Golden eagle	*Aquila chrysaetos*	TH
Osprey	*Pandion heliaetus*	CC*, TH, EC, FC
Sharp-shinned hawk	*Accipiter striatus*	FC, TH
Cooper's hawk	*Accipiter cooperii*	CC, EC*, FC
Red-shouldered hawk	*Buteo lineatus*	EC, FC, LA, CC, LEA
Red-tailed hawk	*Buteo jamiacensis*	EC, FC, GP, TH, TL, CC
American kestrel	*Falco sparverius*	EC, TH
Prairie falcon	*Falco mexicanus*	TH
California quail	*Callipepla californica*	CC, GP
Mourning dove	*Zenaida macroura*	EC, FC, TH, TL, CC
Rock dove	*Columba livia*	EC*, TH*
Anna's hummingbird	*Calypte anna*	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	*Ceryle alcyon*	FC, EC*, CC
Northern flicker	*Colaptes auratus*	EC, FC, TH
Nuttall's woodpecker	*Picoides nuttallii*	FC, EC
Downy woodpecker	*Picoides pubescens*	EC, FC
Black phoebe	*Sayornis nigricans*	EC, FC, TL, LEA, CC
Say's phoebe	*Sayornis saya*	LEA
Western scrub-jay	*Aphelocoma californica*	EC, FC, LEA, CC
Common raven	*Corvus corax*	EC, TH, FC, CC
Horned lark	*Eremophila alpestris*	TH
Cliff swallow	*Petrochelidon pyrrhonotta*	FC, EC, TL
Barn swallow	*Hirundo rustica*	EC, LEA
Oak titmouse	*Baeolophus inornatus*	FC, CC
Bushtit	*Psaltriparus minimus*	EC, FC, FC**,GP, TL, CC
White-breasted nuthatch	*Sitta carolinensis*	FC
Bewick's wren	*Thryomanes bewickii*	FC, TH, CC
Rock wren	*Salpinctes obsoletus*	FC, TH
Ruby-crowned kinglet	*Regulus calendula*	TH, FC, CC
Northern mockingbird	*Mimus polyglottos*	EC, FC

Location:
CC = Coyote Creek Riparian Corridor
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WL = Water Line Corridor
LEA = Laydown expansion area

Notes:

* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest, track)

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to April 30, 2002) (Continued)

Common Name	Scientific Name	Location
BIRDS (CONTINUED)		
Western bluebird	*Sialia mexicana*	FC, CC, EC, LEA
American robin	*Turdus migratorius*	LA, EC, CC
Loggerhead shrike	*Lanius ludovicianus*	TH, FC, EC
Western kingbird	*Tyrannus verticalis*	CC
European starling	*Sturnus vulgaris*	LEA, FC, EC
Rose-breasted grosbeak	*Pheucticus ludovicianus*	EC
California towhee	*Pipilo crissalis*	EC, TH, FC, CC
Dark-eyed junco	*Junco hyemalis*	FC, TH, CC
White-crowned sparrow	*Zonotrichia leucophrys*	EC, FC, TH, CC
Song sparrow	*Melospiza melodia*	EC, LA, LEA
Yellow-rumped warbler	*Dendroica magnolia*	TH, FC, CC
Western meadowlark	*Sturnella neglecta*	EC, LA, TH
Red-winged blackbird	*Agelaius phoeniceus*	FC
Brewer's blackbird	*Euphagus cyanocephalus*	FC, EC, CC
Bullock's oriole	*Icterus bullockii*	FC, CC
House finch	*Carpodacus mexicanus*	EC, CC, FC
American goldfinch	*Carduelis tristis*	LEA
Lesser goldfinch	*Carduelis psaltria*	EC, FC, CC, TH
House sparrow	*Passer domesticus*	EC, FC, CC
MAMMALS		
Common raccoon	*Procyon lotor*	FC**
Striped skunk	*Mephitus mephitus*	TH**
Opossum	*Didelphis marsupialis*	EC
Coyote	*Canis latrans*	TH
Feral cat	*Felis catus*	EC
Bobcat	*Lynx rufus*	CC**
California ground squirrel	*Spermophilus beechyi*	EC, FC, TH, TL
Western gray squirrel	*Sciurus griseus.*	FC
Valley pocket gopher	*Thomomys bottae*	LA**
California vole	*Microtus californicus*	FC
Deer mouse	*Peromyscus maniculatus.*	TH
Norway Rat	*Rattus norvegicus*	EC

Location:

CC = Coyote Creek Riparian Corridor
EC = Metcalf Energy Center Plant Site
FC = Fisher Creek Riparian Corridor
GP = Gas Pipe Line Corridor
LA = Laydown Area
TH = Tulare Hill Ecological Preserve
TL = Transmission Line Corridor
WL = Water Line Corridor
LEA = Laydown expansion area

Notes:

* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest, track)

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to April 30, 2002) (Continued)

Common Name	Scientific Name	Location
MAMMALS (CONTINUED)		
Common muskrat	*Ondatra zibethicus*	FC
Black-tailed jackrabbit	*Lepus californicus*	EC
Feral pig	*Sus scrofa*	CC**
Mule (black-tailed) deer	*Odocoileus hemionus*	FC, GP, CC

Location:

CC = Coyote Creek Riparian Corridor
EC = Metcalf Energy Center Plant Site
FC = Fisher Creek Riparian Corridor
GP = Gas Pipe Line Corridor
LA = Laydown Area
TH = Tulare Hill Ecological Preserve
TL = Transmission Line Corridor
WL = Water Line Corridor
LEA = Laydown expansion area

Notes:

* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest, track)

APPENDIX C

Wildlife Observation Forms

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:
Fred Grimes (M.A. Mortenson)

Date:
4/24/02

Location of observation: adjacent to temporary office trailers.
Metcalf Energy Center Footprint site.

Condition of wildlife:
alive [ ] dead [X]

Species: California Ground Squirrel

Possible cause of injury or death:
Unknown. No visible signs of predation or death by vehicular traffic.

Where is the animal currently?
Carcass moved to the Fisher creek riparian corridor. Whole carcass was salvaged by a carniverous animal sometime after initial observation and recovery by Biological Monito

Is the resource in danger of project (or other) impacts?
No

Comments:
Dead specimen was left where found by the worker. Biological monitor was contacted by phone concerning observation. Biological Monitor removed carcass outside construction zone the next day.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833

USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: Mark Imsdahl (707) 944-5512

APPENDIX D

WEAT Sign-In Sheets

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 4/1/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Roland MERRIT		SHEEDY
MICHAEL CONLEY	Michael Conley	SHEEDY
[illegible]		[illegible]
FRED WAGNER	Fred Wagner	SHEEDY
LARRY AGNEW		SHEEDY

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 4/3/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Steve DeGroote	Steve DeGroote	Mortenson
Dan Becking	Dan Becking	Toucan Crane

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 4/4/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Keith LaBarge	Keith LaBarge	Resendin Elect.
Jim Biggs		Smedy

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 9/5/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
William Power	[redacted]	Rosendin

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 4/11/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Miguel Lamayuna	Miguel Lamayuna	T.J. ALBANESE
MARIO V. GAMA	mario Vieira Gama	T.J. ALBANESE
JESUS M. SANCHEZ	Jesus Sanchez	T.J. ALBANESE
MANUEL MUNGUIA	Manuel Munguia	Tos.J. Albanese Inc
Steve Hickin	Steve Hickin	Roseen Electric
Arturo garcia	Arturo garcia	Jos. J Albanese

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 4/12/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Bob Venturin		MORT.
Richard Harnedy		Sheedy
RALPH SELLERS		CBO

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 4/16/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Joaquin Roncon	Joaquin Roncon	Mobile Modular
Juan Ramirez	Juan Ramirez	Mobile Modular
ALVARO Graviola	ALVARO GRAVIOLA	Mobile Modular
MARTIN Landeros	Martin Landeros	Mobile Modular
Daniel Mandujil	Daniel	Mobile Modular
Jose R. Perez M.	Jose R. Perez M.	Mobile Modular
ARMANDO ESQUIVEL	Armando Esquivel	Mobile Modular
JOSE NAVA	J. Nava G.	Mobile Modular

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 4/19/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
CHARLES ECHWALL	Charles Echwall	WILLDAN/AIMS
ELIAS SEGURA	Elias M. Segura	WILLDAN/AIMS
RALPH SELLERS		WILLDAN/AIMS CBO
Russ Koenig	Russell Koenig	SHEEDY
JOSEPH Ray Rosendes	John Ray Rosendes	SHEEDY
JEFF J. SMITH	Jeff Smith	SHEEDY
DAVID Moreci	Dave Moreci	Sheedy
Gary Bergeron	Gary Bergeron	SHEED C
ROGER W FUNDERBURK	Roger W. Funderburk	SHEED C
William Fetterley	William Fetterley	MORTENSON

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 4/25/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Feliciano Llanos	Feliciano Llanos	RET
Andy Y. Wilson	Andy Y Wilson	RET
Kal Swallow	Kal Swallow	RET
Gilbert Dela Cruz	Gilbert Dela Cruz	First Alarm
Lenny C. Stinson	Lenny C Stinson	First Alarm
JASWINDER KAUR	Jaswinder	First Alarm

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 4/30/02

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Staron Briano		Maggiora Bros.
Miguel Garcia		Maggiora Bros.

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

Condition of Certification CUL-7

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: BLANCHARD ROADWAY — JOB #: 018818 — ISSUE: 012 (3/26/02)

		MARCH						APRIL												
ACTIVITY DESCRIPTION	DAY	25	26	27	28	29	30	1	2	3	4	5	6	8	9	10	11	12	13	REMARKS
		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S	
OFFSITE BLANCHARD ROADWAY IMPROVEMENTS																				
TOP GRADE UNDERGROUND / UPRR ***																				PENDING CALPINE RE DSIGN UPRR INTERFACE
ROSENDIN ELECTRIC / UPRR CONDUCTORS ***																				PENDING CALPINE RE DSIGN UPRR INTERFACE
ROSENDIN PULL CONDUCTORS TO INSTR. HOUSE ***																				PENDING CALPINE RE DSIGN UPRR INTERFACE
ADDRESS PUNCH LIST ITEMS ***				X X	X X	C														
PG&E ELECTRICAL INSPECTION ***					X X															
ADDRESS ELECTRICAL PUNCH LIST ITEMS ***						X X		X X												
FINAL CITY OF SAN JOSE PUNCH LIST ***											X X									
SUBMIT AS-BUILT AND CLOSE OUT ***										X X										
*** reflects current changes from schedule 011																				

*Note – The above schedule is an estimated and conditional schedule only, and is based somewhat on "others" ability to perform, failure by others to fulfill their allotted responsibility within the above allotted time blocks will result in a ripple effect throughout the schedule.

F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Compblete

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: _METCALF ENERGY CENTER_____ JOB #:_018818_____ ISSUE:_012_(3/26/02)_____

ACTIVITY DESCRIPTION	DAY	MARCH 25	26	27	28	29	30	APRIL 1	2	3	4	5	6	8	9	10	11	12	13	REMARKS
		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S	
"POWER BLOCK AREA"																				
STRUCTURAL FILL (SCWD) @ HRSG # 2 TO EL. 245.00 IN SUB EXCAVATION #3 ***			S T	X X	X X	C														FORCED ACCOUNT: TRACK ON T&M SIGNED TICKETS DAILY
ADDITIONAL SUB EXCAVATION #3 PER LOWNEY ASS. LETTER 3/19/02 ***		X X	C																	
STRUCTURAL FILL (SCWD) @ HRSG # 2 INCLUDING SUB EXCAVATION #3 TO EL. 252.00 ***			X X	X X	X X	X X		X X	X X	X X	X X	C								
STRUCTURAL FIIL (SCWD) UP TO KEYSTONE FOOTING. ***			X X	X X	X X	C														
DRILL FENCE POST HOLES AND INSTALL POST								X X	C											
INDEPENDENT CONSTRUCTION: INSTALLING KEYSTONE BLOCK																				
DELIVER MATERIAL (KEYSTONE BLOCK) TO SITE ***									X X											
INSTALL KEYSTONE BLOCK AND TENSAR WORKING WITH TOP GRADE ***										X X	X X	X X		X X	X X	X X	X X	C		
CLEAN UP AND ESTABLISH PUNCHLIST ***																				COMPLETE 4/16/02
*** reflects current changes from schedule 011																				

*Note – The above schedule is an estimated and conditional schedule only, and is based somewhat on "others" ability to perform, failure by others to fulfill their allotted responsibility within the above allotted time blocks will result in a ripple effect throughout the schedule.

F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON

The Construction Organization — 3-WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: _METCALF ENERGY CENTER_____ JOB #:_018818_____ ISSUE:_012B_(3/26/02)_____

ACTIVITY DESCRIPTION	DAY	MARCH						APRIL												REMARKS
		25	26	27	28	29	30	1	2	3	4	5	6	8	9	10	11	12	13	
		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S	
PACIFIC BELL																				
INSTALL GROUND ROD & BACK BOARD W/ WATER TIGHT PHONE LINE (200) PR. BOX AT TEMPORARY TRAILER COMPLEX		X X																		
PACFIC BELL INSPECT BACK BOARD AND PRECAST BOXES			X X																	
START THE ORDER FOR PHONE LINES INTO METCALF (3 WEEK PROCESS) ***				X X	X X	X X		X X	X X	X X	X X	X X		X X	X X	X X	X X	C		TENATIVE INSTALLATION DATE APRIL 12, 2002
*** reflects current changes from schedule 011																				

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F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: _METCALF ENERGY CENTER_____ JOB #:_018818_____ ISSUE:_012D_(3/26/02)_____

ACTIVITY DESCRIPTION	DAY	MARCH 25 M	26 T	27 W	28 TH	29 F	30 S	APRIL 1 M	2 T	3 W	4 TH	5 F	6 S	8 M	9 T	10 W	11 TH	12 F	13 S	REMARKS
SOUTH LAYDOWN AREA																				
RECEIVE MATERIAL ***		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		
		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		
INSTALL SECURITY FENCE AREA "A" NORT LAYDOWN AREA ***		X	X	X	X	X		X	C											NOTE: THIS DOES NOT INCLUDE BASIN AND KESTONE AREAS
		X	X	X	X	X		X												
INSTALL TEMPORARY AESTHETIC SCREENING AREA "A" ***			X	X	X	X		X	X	X	C									NOTE: THIS DOES NOT INCLUDE BASIN AND KESTONE AREAS
			X	X	X	X		X	X	X										
CONSTRUCT STORMWATER BASIN ON HOLD PENDING DIRECTION FROM CALPINE***																				ON HOLD
*** reflects current changes from schedule 011																				

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F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: _METCALF ENERGY CENTER_____ JOB #:_018818_____ ISSUE:_012E_(3/26/02)_____

		MARCH						APRIL												
ACTIVITY DESCRIPTION	DAY	25	26	27	28	29	30	1	2	3	4	5	6	8	9	10	11	12	13	REMARKS
		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S	
TRAIN RAILROAD SPUR																				
COMPLETE R/W UPRR 1+59 – 3+80		C																		ON HOLD PENDING UPRR REMOVING EQUIPMENT
CONSTRUCT TRACK ACROSS MAIN ACCESS ROAD CROSSING PUNCHLIST ITEM ***				X X																NOT INSTALLED PER CONTRACT DRAWINGS
TOP GRADE INSTALL ROAD BASE AROUND TRAIN UNLOADING SPUR ***				X X	X X	C														
PUNCHLIST & FINAL CLEAN UP ALONG WITH UPRR CERTIFICATION ***						X X														PENDING UPPR RELOCATING DAMAGED EQUIPMENT
UPRR COMPLETE RAIL SPUR SWITCH 0+00 – 1+59***		X X	X X	X X	X X	C														PENDING UPRR RELOCATION OF EQUIPMENT
UPRR COMPLETE WALK PATH AND CLEAN UP ***					X X	C														PENDING UPRR RELOCATION OF EQUIPMENT
INSTALL DOUBLE -POINT DERAIL ***					X X	C														PENDING UPRR RELOCATION OF EQUIPMENT

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F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: _METCALF ENERGY CENTER_____ JOB #:_018818_____ ISSUE:_012F_(3/26/02)_____

ACTIVITY DESCRIPTION	DAY	MARCH 25 M	26 T	27 W	28 TH	29 F	30 S	APRIL 1 M	2 T	3 W	4 TH	5 F	6 S	8 M	9 T	10 W	11 TH	12 F	13 S	REMARKS
ADMINISTRATIVE TRAILER AREA																				
INSTALL SEPTIC TANK AND HAVE CBO INSPECT FOR COMPLIANCE						X X														PENDING COUNTY REVIEW PROCESS?
INSTALL NORTH LAYDOWN ELECTRICAL CONDUITS		C																		
INSTALL PACIFIC BELL CONDUIT		C																		
INSTALL PACIFIC BELL PRECAST BOX		X X	X X	X X	C															
COMPLETE ROUGH GRADING								X X	X X	C										PENDING SUB EXCAVATION 3# AND HAULING
LAY FABRIC										X X	X X	C								PENDING SUB EXCAVATION 3# AND HAULING
IMPORT AND PLACE 6" A/B												X X		X X	C					PENDING SUB EXCAVATION 3# AND HAULING
TEMPORARY ACCESS ROADS AND TEMPORARY LAYDOWN AREA																				
STAKING AT LAYDOWN		C																		
ROUGH GRADING ROADS AND LAYDOWN AREA								X X	X X	X X										PENDING SUB EXCAVATION 3# AND HAULING
LAY FABRIC AND TENSAR 1200											X X	X X		C						PENDING SUB EXCAVATION 3# AND HAULING
IMPORT AND PLACE A/B														X X	X X	X X	C			PENDING SUB EXCAVATION 3# AND HAULING

*Note – The above schedule is an estimated and conditional schedule only, and is based somewhat on "others" ability to perform, failure by others to fulfill their allotted responsibility within the above allotted time blocks will result in a ripple effect throughout the schedule.

F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: BLANCHARD ROADWAY — JOB #: 018818 — ISSUE: 013 (4/7/02)

APRIL

ACTIVITY DESCRIPTION	DAY	8	9	10	11	12	13	15	16	17	18	19	20	22	23	24	25	26	27	REMARKS
OFFSITE BLANCHARD ROADWAY		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S	
IMPROVEMENTS																				
ROSENDIN ELECTRIC: DEVELOP ASBUILT DRAWINGS FOR THE CITY OF SAN JOSE TRAFFIC SIGNALS***			X X	X X	C															
SUBMIT ASBUILT TO CALPINE FORWARD TO THE CITY OF SAN JOSE FOR REVIEW***						X X		C												
CITY REVIEW AND APPROVAL***								X X	X X	X X	C									
TOP GRADE UNDERGROUND / UPRR ***								X X	X X	C										PENDING RE DSIGN UPRR INTERFACE
ROSENDIN ELECTRIC / UPRR CONDUCTORS ***												X X		C						PENDING RE DSIGN UPRR INTERFACE
ROSENDIN PULL CONDUCTORS TO INSTR. HOUSE ***												X X		C						PENDING RE DSIGN UPRR INTERFACE
ADDRESS PUNCH LIST ITEMS ***								X X	X X	X X	X X	C								
PG&E ELECTRICAL INSPECTION ***								X X												
ADDRESS ELECTRICAL PUNCH LIST ITEMS ***									X X	X X										
FINAL CITY OF SAN JOSE PUNCH LIST ***											X X									
SUBMIT AS-BUILT AND CLOSE OUT ***												X X								
*** reflects current changes from schedule 012																				

*Note – The above schedule is an estimated and conditional schedule only, and is based somewhat on "others" ability to perform, failure by others to fulfill their allotted responsibility within the above allotted time blocks will result in a ripple effect throughout the schedule.

F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Compblete

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: _METCALF ENERGY CENTER — JOB #:_018818 — ISSUE:_013_(4/7/02)

APRIL

ACTIVITY DESCRIPTION	DAY	8	9	10	11	12	13	15	16	17	18	19	20	22	23	24	25	26	27	REMARKS
		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S	
"POWER BLOCK AREA"																				
RESOLVE CURRENT LOCATION OF TEMPORARY SECURITY FENCE***		X X	X X	X X	C															PENDING CALPINE / CEC DIRECTION
STRUCTURAL FILL (SCWD) @ HRSG # 2 INCLUDING SUB EXCAVATION #3 TO EL. 252.00 ***		X X	X X	X X	X X	C														
TOP GRADE SOURCE OUT ADDITIONAL STRUCTURAL FILL MATERIAL AND TESTING, DUE TO ADDITIONAL SUB EXCAVATION #3 LETTER***		X X	X X	C																BALL IN TOP GRADES COURT ONCE THEY RECEIVED NOTICE FOR OVER EXCAVATION # 3 THEY SHOULD HAVE QUANTIFIED THERE SOURCES
INDEPENDENT CONSTRUCTION: INSTALLING KEYSTONE BLOCK																				
INSTALL KEYSTONE BLOCK AND TENSAR WORKING WITH TOP GRADE ***		X X	X X	X X	C															
CLEAN UP AND ESTABLISH PUNCHLIST ***					X X	C														COMPLETE 4/15/02
*** reflects current changes from schedule 012																				

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F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: _METCALF ENERGY CENTER — JOB #:_018818 — ISSUE:_013D_(4/7/02)

APRIL

ACTIVITY DESCRIPTION	DAY	8	9	10	11	12	13	15	16	17	18	19	20	22	23	24	25	26	27	REMARKS
		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S	
SOUTH LAYDOWN AREA																				
RECEIVE DELIVERIES/MATERIAL ***		X X	X X	X X	X X	X X		X X	X X	X X	X X	X X		X X	X X	X X	X X	X X		
RELOCATE SECURITY FENCE IN RIPARIAN AREA CONFLICT NORTH LAYDOWN AREA ***		X X	X X	X X	X X	C														NOTE: PENDING DIRECTION FROM CALPINE ADDITIONAL WORK FOR CFI
COMPLETE STORMWATER BASIN PHASE 1 CIVIL***		X X	C																	DUE TO NATIVE REMAINS AND EXTRA HANDLING OF FILL MATERIAL TRACKED ON T&M
SHEEDY BUILD UP GANTRY FOR RAIL SPUR***			X X	X X	X X	C														
TOP GRADE SUBMIT FINAL CONSTRUCTION METHODS FOR STORMWATER OUTFLOW***		X X	X X	X X	C															
KIER & WRIGHT ASBUILD DRIP LINE AND PROPOSED RELOCATION OF OUTFLOW PIPE ***		X X	X X	C																
BURNS AND ROE FINALIZE DRAWINGS REFLECTING ASBUILT AND CONSTRUCTION METHODS***						X X		X X	X X	X X	C									
CALPINE SUBMIT FOR PERMIT THROUGH SANTA CLARA WATER DISTRIC***												X X								
*** reflects current changes from schedule 012																				

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F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON

The Construction Organization — 3 WEEK CONSTRUCTION SCHEDULE — SUPERINTENDENT: Kirk Bailey

PROJECT: _METCALF ENERGY CENTER — JOB #:_018818 — ISSUE:_013F_(4/7/02)

APRIL

ACTIVITY DESCRIPTION	DAY	8	9	10	11	12	13	15	16	17	18	19	20	22	23	24	25	26	27	REMARKS
		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S	
ADMINISTRATIVE TRAILER AREA																				
DIG CONCRETE SEPTIC TANK HOLE AND SAFE OFF***		X X	C																	
INSTALL CONCRETE SEPTIC TANK AND HAVE CBO/SANTA CLARA COUNTY INSPECT FOR COMPLIANCE***			X X	C																PENDING CBO/SANTA CLARA COUNTY REVIEW PROCESS?
COMPLETE ROUGH GRADING***				X X	C															
LAY FABRIC***					X X	C														
IMPORT AND PLACE 6" A/B***						X X		C												
RECEIVE TRAILERS AND SET UP***										X X	X X	X X		X X	X X	X X	X X	X X		
INSTALL NORTH LAYDOWN AND WAREHOIUSE ELECTRICAL CONDUITS***			X X	X X	X X	X X		C												
AWARD DOME STRUCTURE CONTRACT AND PROVIDE SUB ORIENTATION AND TRAINING***		X X	X X	C																
F/R/P FOUNDATION FOR DOME STRUCTURE***				X X	X X	X X		C												
RECEIVE DOME STRUCTURE AND ERECT***								X X	X X	X X	X X	X X		X X	C					ERECT ONCE DESIGN STREGNTHS HAVE BEEN ACHIEVED.
RELOCATE AND START RECEIVING DELIVERIES***																X X	X X	X X		
*** REFLECTS CURRENT CHANGES SCHEDULE 012																				

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F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

Condition of Certification PAL-4

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

Metcalf Energy Center Project
Paleontological Resource Monitoring and Mitigation Program

Monthly Report

Project Name: Metcalf Energy Center (MEC) **Project Number:** 01-17

Clients: Calpine/CH2M Hill **Month:** April 2002

Designated Paleontological Resource Specialist: Dr. Lanny H. Fisk, PhD, RG

Monthly Report for April 2002:

During the month of April 2002, PaleoResource Consultants (PRC) worked with Calpine Corporation through its environmental consultants, CH2M Hill, to monitor and mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. During the month, the Paleontological Resource Monitoring and Mitigation Program (PRMMP) for the MEC project consisted of monitoring only at the power plant site and adjacent lay-down area. Construction of the natural-gas pipeline, cooling-water pipeline, and electrical transmission line is not scheduled to start until later.

In April, PRC provided a paleontological monitor, Mr. Jaspal Saini, MSc, nearly full-time to implement the PRMMP required by the California Energy Commission (CEC) as part of the Conditions of Certification (COCs) for the project. In its COCs for MEC, the CEC mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. SVP guidelines require that a project with a high potential for disturbing significant fossils must include full-time monitoring by a qualified paleontologist to salvage any fossils encountered. In compliance with CEC COCs and SVP standard guidelines, a PRC qualified paleontologist monitored all earth-moving activities judged likely to disturb paleontological resources.

Ground-disturbing activities requiring monitoring this month included excavations for the large storm-water basin; pits for two large septic tanks; trenches for foundations, electrical utilities, and a water line; and minor stripping and grading. The deepest excavations were up to ten (10) feet deep and exposed an undisturbed stratigraphic section consisting of dark brown organic-rich soil overlying unconsolidated yellow-brown to brown silty clay grading downwards to light brown clayey silt, sand, and pebble-to-cobble gravel. The latter is composed of rounded to sub-rounded clasts of predominantly igneous and meta-sedimentary rocks in a sand matrix. The entire stratigraphic sequence appears to have been deposited in a fluvial environment as a series of nested channel-fill deposits. Individual fining-upward sequences represent individual channel fills.

As noted in previous reports, charcoal is common throughout the stratigraphic sequence to a depth of at least 10 feet. Because of their potential significance to interpreting the geologic history of the area, three (3) additional samples of charcoal-rich sediments were collected for possible identification of the wood, for radiocarbon dating to determine the age of the sediments, and/or for microfossil analysis. Fossil pollen and spores from these sediments may help determine their age and the paleoenvironment at the time they were deposited. No other paleontological resources were discovered during paleontological monitoring at the MEC plant site during April.

Condition of Certification SOCIO-1

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

Material/equipment	Manufacturer	Point of Origin	Reason
Boiler Feed Pumps	Sulzer	Germany (manufacturer)	Not available locally
Boiler Feed Pumps	Chalfont	Pennsylvania (international supplier)	Not available locally
CTGs	Siemens-Westinghouse	Canada, North Carolina	Not available locally
STGs	Siemens-Westinghouse	Germany, Subs-International	Not available locally
HRSGs	Nooter Eriksen	St. Louis, MO Subs from US	Not available locally
Circulating Water Pumps	Receiving bids – Will be awarded in May	N/A	N/A
Condensate Pumps	Receiving bids – Will be awarded in May	N/A	N/A
Step-up transformers	Receiving bids – not yet awarded	N/A	N/A
Unit auxiliary transformers	Receiving bids – not yet awarded	N/A	N/A
Generator Circuit Breakers	Receiving bids – not yet awarded	N/A	N/A
Condensor and Air Removal Equipment	Alstom	New Jersey	Not available locally
Fuel Gas Compressors	Cooper Energy Service		Not available locally
Water Treatment Equipment	Receiving bids – Will be awarded in May	N/A	N/A

Condition of Certification TRANS-2

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120

FILE

Permit No.	0402-6UJ0394
Dist/Co/Rte/PM	04-SCL-101 23.6
Date	April 11, 2002
Fee Paid	$
Deposit	$
Performance Bond Amount (1)	$
Payment Bond Amount (2)	$
Bond Company	
Bond Number (1)	
Bond Number (2)	

In compliance with (*Check one*):

☒ Your application of February 26, 2002

☐ Utility Notice No. _____ of _____

☐ Agreement No. _____ of _____

☐ R/W Contract No. _____ of _____

TO: ☐ Metcalf Energy Center LLC
P. O. Box 11749
Pleasanton, CA 94588

Attn: Jerry Johnson
Phone: (925 479 6691

☐ , PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Install a 16" gas main by bore and jack method under and across State Highway 04-SCL-101, Post Mile 23.6,in the City of San Jose

A minimum of one week prior to the start of work under this permit, notice shall be given and advance approval of construction detail, operation, public safety and traffic control shall be obtained from State Representative, J. Wong, 500 Queens Lane, San Jose 95112, (408) 452 7131, weekdays, between 7:30 AM and 4:00 PM .

All permitted work requiring traffic control requires the permittee to apply for and obtain a lane closure number prior to the start of any work that may affect traffic. See the attached "Encroachment Permit Project Traffic Control Procedures" and the attached "Permit Project Traffic Control Request Form". Additional time beyond the minimum seven day advanced notice required in the above paragraph may be required for obtaining the traffic control approval.

Immediately following completion of the work permitted herein, the permittee shall fill out and mail the notice of completion attached to this permit.

The following attachments are also included as part of this permit (*Check applicable*):

☒ Yes	☐ No	General Provisions
☐ Yes	☒ No	Utility Maintenance Provisions
☐ Yes	☒ No	Special Previsions
☐ Yes	☒ No	A Cal-OSHA permit required prior to beginning work: # _____

In addition to fee, the permittee will be billed actual costs for:

☐ Yes	☒ No	Review
☒ Yes	☐ No	Inspection
☒ Yes	--------	Field Work

(If any Caltrans effort expended)

☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before May 31, 2003.

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

KR
CC: S.Rouse (2), J.Wong
Dist. Traffic Manager/B.Loo
TMC/ J. Richardson, ~~Traffic System/C. Newlander~~
City of San Jose

APPROVED:

RANDELL H. IWASAKI, Acting District Director

BY:

S. S. NOZZARI, District Permit Engineer

NAME: Metcalf Energy Center LLC
PERMIT#: 0402-6UJ0394
DATE:April 11, 2002

The site of the work shall be enclosed by suitable barricades, signs and lights, as approved by State's representative, to warn and protect traffic effectively.

All boring operations shall be made by the dry bore method without the use of air, water or other liquid material except that a minimum amount of water supplied from a container mounted on operator's equipment may be used for bit lubrication, if authorized by the Permit Inspector.

The pipe shall be placed through a metal sleeve installed under and across the highway by boring or jacking without disturbing the pavement and shoulders.

Excavations made within the limits of the highway shall be backfilled before leaving the work for the night unless otherwise authorized by State's representative. After backfilling the trench, temporary surfacing shall be placed if required by State's representative.

Trench backfill shall conform to Section 19-3.06 of the State's Standard Specifications and the current edition of the Standard Plans. Tests for relative compaction of structure backfill material used in backfilling trenches may be made in accordance with Test Method No. California 231 (Nuclear gauge). Any base, surfacing or pavement shall be replaced in kind, or as otherwise required by State's representative.

Bore and receiving pits shall be located outside Caltrans right of way.

Minimum cover over gas facility shall be 42".

If the casing diameter is 30" or more, a survey grid shall be set and appropriately checked over the centerline of the pipe jacking before and after bore and jack operation. Copies of the survey notes shall be submitted to the Department's representative.

Traffic control for survey grid is authorized only Sundays from sunrise to 9:00 A.M. Any traffic control which requires lane closure shall be in compliance with the traffic control plan T-10. Where required by the plan, the use of a flashing arrow sign is MANDATORY.

Traffic control for survey grid shall be perform by a private California licensed traffic control contractor at permittee's expense, as directed by State's representative.

Any damage to existing State facilities shall be repaired at permittee's expense.

Certain details of work authorized hereby are shown on permittee's plan submitted with request for permit.

Permittee shall be billed for any additional inspection at the current Caltrans rate of $80.00 per hour.

All personnel shall wear hard hats and lime green reflective vests, shirts, or jackets as appropriate during construction.

All utility work shall be performed in accordance with the Department of Transportation Encroachment Permit Utility Provisions dated August, 1998.

Compliance Matrix

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
AQ-1	Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1and S-3 GTs; and S-2 and S-4 HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-2	Tune combustors of S-1 & S-3 GTs and S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-3	Install, adjust, and operate A-1and A-2 SCR Systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs)	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-4	With steady-state operation of A-1& A-2 SCR systems shall comply with NOx and CO emission limitations.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-5	Submit plan to DPSD and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STGs.	At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan	28 days plor to first fire of Gas Turbines				
AQ-6	Demonstrate compliance with conditions 8-10 through the use of properly operated and maintained CEMS and data recorders.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-7	Install, calibrate, operate District approved CEMS monitors prior to first firing of GT's and HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-8	Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.	In the MCR indicate the culmulative number of firing without SCR. Submit a copy of the completion notice to CPM.	Monthly Compliance Report				
AQ-9	Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.	In the MCR indicate the culmulative number of firing without SCR. Submit a copy of the completion notice to the CPM	Monthly Compliance Report				
AQ-10	Total mass emissions of NOx, CO, POC, PM10, and SO2 emitted by the GTs and HRSGs during the commissioning period shall accrue towards the consecutive 12-month emission limitations.	In the MCR indicate the culmulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report				
AQ-11	Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: Nox = 4805; CO = 11,498; POC = 495; PM10 = 468; SO2= 42.	In the monthly compliance report indicate any violations of the emission limits	Monthly Compliance Report				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	20 working days before the execution of the source tests,submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condtion.	20 days prior to source test per AQ-12				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Source test results shall be sumitted to the District and the CEC CPM within 30 days of the source testing date.	Within 30 days of source tests per AQ-12 complete				
AQ-13	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Notify the District and the CEC CPM.	Within seven (7) working days prior to the planned testing date				
AQ-13	GTs (S-1, S-3) and HRSG (S-2, S-4) shall be fired exclusively on natural gas. (BACT for SO2 and PM10)	As part of the semiannual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.	Semiannual Air Quality Reports				

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AQ-14	Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average) (PSD for NOx)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this hourly limit.	Monthly Air Quality Reports				
AQ-15	Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day (PSD for PM10)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this daily limit.	Monthly Air Quality Reports				
AQ-16	Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs(S-2, S-4) shall not exceed 35,274,060 MMBtu/yr. (Offsets)	As part of the Air Quality annual Reports, include information on the date and time when the annual cumulative fuel consumption exceed this annual limit	Annual Air Quality Reports				
AQ-17	HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NOx)	As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.	Monthly Air Quality Reports				
AQ-18	GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSG's.	Semiannual Air Quality Reports				
AQ-19	GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports				
AQ-20(a)	Emission requirements: Emission Point P-1 NOx = 19.2 lbs/hr [0.00904 lbs/MMBtu (HHV) of nat. gas fired] ; Emission Point P-2 NOx = 19.2 lbs/hr [0.00904 lbs/MMBtu (HHV) of nat. gas fired] .	As part of the semiannual Air Quality Reports, 5ndicate the date, time, and duration of any violation. Include quantitative info. on the severity of the violation.	Semiannual Air Quality Reports				
AQ-20(b)	NOx Emission concentration = 2.5 ppmvd (corrected to 15% O2), 1-hr average (Emission Point P-1, P-2) (BACT for NOx).	Same as above	Semiannual Air Quality Reports				
AQ-20(c)	CO mass emission = 28.07 lbs/hr (at any 3-hour rolling avg.) (Emission Point P-1, P-2).	Same as above	Semiannual Air Quality Reports				
AQ-20(d)	When the heat input to a CT exceeds 1700 MMBTU/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmvd on dry basis and the CO mass emission rate shall not exceed 0.0132 lb/MMBTU at any 3-hr rolling average.	Same as above	Semiannual Air Quality Reports				
AQ-20(e)	Ammonia (NH3) emission concentration shall not exceed 5 ppmvd on dry basis, at at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.	Same as above	Semiannual Air Quality Reports				
AQ-20(f)	Precursor organic compounds (POC) mass emissions (as CH4) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2).	Same as above	Semiannual Air Quality Reports				

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AQ-20(g)	Sulfur dioxide (SO 2) mass emissions at P-1 ,P-2 each shall not exceed 1.28 pounds per hour or 0 .0006 lb /MM BTU of natural gas fired. (BACT)	Same as above	Semiannual Air Quality Reports				
AQ-20(h)	PM10 mass emission s at P-1 ,P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1 ,P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG duct burners are in operation.	Same as above	Semiannual Air Quality Reports				
AQ-21	GT (S-1, S-3) Start-up and Shutdown emission rates.	Same as above	Semiannual Air Quality Reports				
AQ-22	Not more than one GT (S-1, S-2) shall be in start-up mode at any one time.	In the monthly compliance report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-23	HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.	In the semiannual compliance report indicate how this condition is being implemented	Semiannual Air Quality Reports				
AQ-24	Total combined emissions in lbs/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-25	Cumulative combined emissions in tons/any consecutive 12-month period, from GTs and HRSGs shall not exceed Nox = 123.4 (offsets), CO=588, POC=28 (offsets), PM10=91.3 (offsets), SO2=10.6 (cumulative increase).	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-26	Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4). (a) formaldehyde = 3,796 lbs/yr (b) Benzene = 480 lbs/yr (c) PAHs=22.8 lbs/yr	As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-26	Perform health risk assessment using emission rates per BAAQMD approved procedures and submit risk analysis to District and CPM.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation or submit risk analysis to District and CPM.	Within 60 days of source test date				
AQ-27 (a-d)	Demonstrate compliance with conditions 14-17, 20(a-d), 21, 22, 24(a), 24(b), 25(a), 25(b) by using continuous monitors during all operating hours for the following parameters.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-27(e-f)	Use parameters in condition 27(a-d) and District approved methods to calculate the following. (e) Heat input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NOx and CO concentrations and mass emissions at each exhaust point (P-1, P-2)	As part of the annual Air Quality Reports,indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				

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AQ-27(g-l)	For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-28(a-b)	Demonstrate compliance with conditions 20, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions fine PM10 and SO2 from each power train.	As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-29	Calculate and record on annual basis the max. projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAH's).	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-30	Within 60 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Conduct test within 60 days of startup	Within 60 days of startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Submit source test results to the District and to the CEC CPM.	Within 30 days of the tests				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Notify the District and the CEC CPM.	Within seven working days before the execution of the source tests.				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Submit source test protocols. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Conduct test within 60 days of startup and on annual basis thereafter.	Within 60 days startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Notify the District and the CEC CPM.	Within seven (7) working days before the execution of the source tests				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Submit source test results to the District and to the CEC CPM.	Within 30 days of the date of the tests				
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Provide a copy of source test protocol.	90 days before startup				
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Notify the District's Source Test Sesction and the CEC CPM in writing of the Source Test Protocols and projected test dates at least 7 days prior to the testing date(s).	7 days prior to testing date(s)				

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AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition.	Execution of the Source Tests within 60 days of startup				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Conduct test.	Within 60 days of startup and on biennial basis thereafter				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Source test results shall be submitted to the District and the CEC CPM.	Within thirty (30) days of conducting the test				
AQ-34	Submit all reports as required by District Rules or Regulations and in accordance with all procedures and time limits.	Submit a copy of test protocols at least 90 days before startup.	90 days before startup				
AQ-35	Maintain records and reports on site for a minimum of 5 years.	During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.	AQ Inspection per AQ-35				
AQ-36	Notify District and CPM of any violations of these permit conditions.	Submittal of these notifications as required by this condition is the verification of these permit conditions.	Violation of Permit Conditions				
AQ-37	Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base. (GT/HRSG stack height).	Submit the drawings for review and approval.	45 days prior to the release to the manufacturer				
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.	120 days before Initial Operation				
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	Within 60 days of receipt of the plant, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan.	Approval by BAAQMD and CPM after submittal				
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Contact the BAAQMD Technical Services division. Notify the CEC CPM at least seven (7) working days before these contacts are made.	Within 180 days of Issuance of Authority to Construct	8/12/02			
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Notify the CEC CPM at least seven (7) working days before these contacts are made.	7 days before contacts are made	8/5/02	2/28/02	N/A	Complete
AQ-40	Demonstrate valid ERCs in the amount of 212.75 tons/year of NOx and 28 tons/yr of POC or equivalent as defined by District Regs 2-2-302.1 and 2-2-302.2	No more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.	Within 30 days after issuance of Authority to Construct	3/15/02	2/22/02	N/A	Complete
AQ-41	Provide to District valid ERC banking certificates in the amount of 212.75 ton/yr of Nox and 28 tons/yr of POCs or equivalent.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCs certificates to the CPM.	30 days prior to start of construction	8/2/02			In progress
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit an application to BAAQMD major facility review permit. Notify the CEC CPM of the submittal of this application.	Within 12 months of Issuance of PSD Permit		1/9/02	N/A	Complete

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AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit to the CPM a copy of the Federal (Title V) Operating Permit.	30 days after permit issued				
AQ-43	Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GTs or HRSGs.	Submit to the CPM a copy of the application for the Title IV operating permit.	24 months before initial operation				
AQ-44	Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.	60 days before Initial Operation				
AQ-45	Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.	Maintain on site the records of all the guarantees received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 60,Subpart GG.	On-site Compliance Inspections				
AQ-46	Cooling towers shall be properly maintained to minimize drift losses.	Submit a performance guarantee letter from the cooling tower manufacturer.	30 days prior to installation of Cooling Tower per AQ-46				
AQ-47a	Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.	As part of the monthly Air Quality Reports, ndicate the date of any violation of this Condition.	Monthly Air Quality Reports				
AQ-47b	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.	Initial Operation				
AQ-47c	Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Within 60 days of initial operation of the cooling tower				
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Submit the plan to the CEC CPM for review and approval	60 days prior to start of construction	6/12/01	6/12/01	10/12/01	Complete
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.	Monthly Compliance Report				
AQ-49	During construction owner shall: 1. Prevent or remove within 1-hour the track-out of bulk material onto public paved roads 2. Install and use a track-out control device 3. Minimize fugitive particulate emission. Daily inspections of conditions mandated.	The project owner shall maintain a daily log during the construction phase of the project. The logs shall be made available to the CEC CPM upon request.	Start of Construction				
AQ-50	Identify the source of the fugitive dust and implement one or more of the appropriate control measures specified in Table 3.	Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.	Start of Construction				
AQ-51	Provide the District with valid ERC certificates for PM10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition 51.	At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.	30 days prior to start of construction	8/2/02			In progress

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AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-rad, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit to the CPM for approval the qualifications of the CMM at least 45 days prior to due date for diesel construction equipment.	45 days prior to rough grading	11/30/01	8/27/01	9/27/01	Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-rad, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Construction Equipment Mitigation Plan 30 days prior to rough grading or construction of linear facilities.	30 days prior to rough grading	12/15/01	9/7/01	9/27/01	Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-rad, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Report of Change to the CPM no later than 10 working days after use of equipment on site.	10 days after use of equipment on site				
AQ-53	The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totaled over any consecutive twelve month period.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-54	The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year, plus an additional 100 hours per calendar year for the purposes of maintenance and testing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-55	Install an oxidation catalyst to control VOC emissions.	As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems.	Submittal of final design plans				
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation				
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.	Annual Compliance Report				
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.	30 days prior to start of construction	8/2/02	9/27/01(Bechtel)	2/1/02(Bechtel)	Resubmitted for Mortenson. OSHA Consultation completed 2/21/02.

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WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.	30 days prior to start of construction	8/2/02	7/31/01	2/1/02	Complete for preconstruction. Response to Fire Depts. comments submitted
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan. Emergency Action Plan. Operation Fire Protection Plan. Personal Protective Equipment Program.	The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders	Start of Operation				
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan. Emergency Action Plan. Operation Fire Protection Plan. Personal Protective Equipment Program.	Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program with a copy of the cover letter to Cal/OSHA"s Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of the Plan.	30 days prior to start of operation				
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	Provide the CPM with a copy of an agreement with the City of San Jose Fire Department or shall provide an interim plan to address impacts until a permanent agreement can be reached.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02	Complete
WORKER SAFETY 3	Reach an agreement with theSan Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate impacts on fire services.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02	Complete
TLSN-1	The project owner shall construct the proposed transmission line according to the requirements of Section 2700 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.	Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.	30 days prior to start of construction of Transmission Line				
TLSN-2	Identify and correct any complaints of interference w/ radio and TV signals from operation. of line and facilities.	All reports of line-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM	Annual Compliance Report				
TLSN-3	Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 230 kV line is energized.	File copies of the pre-and post energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.	60 days after completion of measurements				
TLSN-4	Ensure that the transmission line right-of-way is kept free of combustible material.	Provide a summary of inspection results and any fire prevention activities carried out along the ROW in the annual compliance report.	Annual Compliance Report				
TLSN-5	Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.	Transmit to the CPM a letter confirming compliance with this Condition	30 days prior to energization of transmission line				

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HAZ-1	Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CPM.	Provide to the CPM and Santa Clara County, in the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.	Annual Compliance Report				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the U.S. EPA.	60 days prior to delivery of Aqueous Ammonia				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.	60 days prior to delivery of Aqueous Ammonia				
HAZ-3	Develop and implement a safety management plan for delivery of ammonia.	Provide a safety management plan as described above to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-4	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620.	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-5	Provide a covered secondary containment basin to passively contain any spill during the delivery of aqueous ammonia to the storage facility.	Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to construction of ammonia secondary containment				
HAZ-6	The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.	Provide a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CMP for review and approval.	30 days prior to initial gas flow in pipeline				
HAZ-7	Prepare and implement a pipeline maintenance plan.	Provide a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CMP for review and approval.	30 days prior to initial gas flow in pipeline				
HAZ-8	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and comment, and to the CPM for review and approval	60 days prior to delivery of hazardous materials				
HAZ-9	The natural gas pipeline shall be designed to meet CPUC General Order 112-D and 58 A standards, or any successor standards, and will be designed to meet Class III service.	Submit design and operation specifications to the CPM for review and approval.	Prior to initial gas flow in pipeline				

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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
HAZ-10	Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.	Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.	60 days prior to delivery of Sulfuric Acid				
HAZ-11	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.	Submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	60 days prior to receipt of aqueous ammonia on site				
HAZ-12	Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials.	Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Hazardous Materials				
WASTE-1	Obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste.	Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	Notify via Monthly Compliance Report	12/14/02	12/14/02	N/A	Complete
WASTE-1	The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).	Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation)	Notify via Monthly Compliance Report				
WASTE-2	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Within 10 days of becoming aware of an impending enforcement action				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the construction waste management plan to the CPM for review.	60 days prior to start of construction	7/3/02	6/12/01	7/27/01	Complete
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.	60 days prior to start of operation				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	In the Annual Compliance Reports, document the actual waste management methods used during the year compared to planned management methods.	Annual Compliance Report				
WASTE-4	Have a registered PE available for consultation during soil excavation and grading activities.	ubmit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.	30 days prior to ground disturbing activity	12/15/01	8/1/01	8/16/01	Complete

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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed by the environmental professional	Within 5 days of filing reports				
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	If significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control. Notify the CPM in writing within 5 days of any reports filed.	Within 5 days of filing reports				
WASTE-6	Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.	Provide an approved copy of the Hazardous Material Clearance Form to the CPM.	Prior to the start of construction	33/20/02	3/20/02	3/20/02	Complete
WASTE-7	The project owner shall perform additional limited investigations to fully characterize the site.	Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESA Addendum.	Prior to the start of construction	2/21/02	2/21/02	N/A	Complete
WASTE-8	All site debris shall be removed from the site after owner has control of the site.	Notify the CPM in writing within ten days of removal of site debris.	Within 10 days after removal of site debris	9/10/01	9/10/01	10/2/01	Complete
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.	Monthly Compliance Report				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Submit to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.	Start of Construction of Trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Prior to the start of a trail that the MEC trail could be connected to,submit designs and the maintenance plan to the CPM.	180 days prior to start of construction of trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Notify the CPM that the trail segment has been completed and is ready for inspection.	Within 7 days after completion of trail segment				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Annual Compliance Reports provide updates on trail developments in the area around the site.	Annual Compliance Report				
LAND-2	Landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan	30 days prior to start of construction				In progress
LAND-2	The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Notify the CPM that the work has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the CPM for approval. Notify the CPM that the boundaries are ready for inspection.	60 days prior to start of construction	7/30/02	9/20/01	10/17/2001 3/28/02	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the San Jose review and comment.	60 days prior to start of construction	7/30/02	9/20/01	10/17/01	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the facilities and structures are completed and are ready for inspection.	7 days after completion of specified facilities and structures				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entry Identification" guidelines.	90 days prior to commercial operation				

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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the the City of San Jose for review and comment a site plan.	90 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Notify the CPM that these requirements have been satisfied and are ready for inspection.	Commercial Operation				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit to the CPM a recorded copy of the Agreement.	90 days prior to start of construction	6/3/02	6/12/01	9/14/01	Complete
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.	Within sixty (60) days of sale of the Passantino property				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the landscaping has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.	30 days prior to delivery of construction materials	9/19/01	9/19/01	9/21/01	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Submit photographic evidence of the application.	7 days after completion of protective measures				In progress
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the agricultural field used as the laydown area has been tilled and shall submit photographs of the tilled field.	30 days prior to commercial operation				
LAND-7	Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.	Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.	60 days prior to construction of pipelines				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.	Prior to submittal to CPM				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be timed to avoid permitted park events.	30 days prior to construction of gas pipeline				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.	Weekly gas pipeline report				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Submit to the CPM for review and approval a site plan that shows the precise alignment of the pipelines in relation to existing orchard trees.	60 days prior to construction of water supply and waste water pipelines				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Notify the CPM that stakes have been installed and the route is ready for inspection.	7 days prior to ground disturbing activities related to pipeline construction				

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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit a description of the procedure to minimize alteration of original soil stratigraphy.	30 days prior to ground disturbing activities related to pipeline construction				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for trenching.	7 days prior to trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit photographs to the CPM that demonstrates that the topsoil has been kept separate from the subsoil.	7 days after start of trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for backfilling.	7 days prior to backfilling trenches				
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.	Submit the final design specifications to the CPM for review and approval.	60 days prior to start of construction	7/30/02	9/20/01	10/17/01	Complete
TRANS-1	Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.	Provide the number of any oversize and overweight transportation permits received during that reporting period.	Monthly Compliance Report				In progress
TRANS-2	Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.	Submit copies of any encroachment permits received during that reporting period in the Monthly Compliance Report.	Monthly Compliance Report				
TRANS-3	Ensure that all federal and state regulations for the transport of hazardous materials are observed.	Copies of all permits and licenses acquired concerning the transport of hazardous substances.	Monthly Compliance Report				
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	If the permanent crossing warning equipment is not in place , submit a traffic plan for the crossing to UPRR for review.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	Submit the executed Crossing Agreement to the CPM for approval.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.	Inform the CPM when the final grade crossing warning equipment is ready for inspection.	Installation of final grade crossing equipment	3/4/02	3/4/02		Submitted
TRANS-5	Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Const. Traffic Control Plan and implementation program.	Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and implementation program.	30 days prior to start of site preparation	10/2/01	10/2/01	10/24/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Prior to start of site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Start of ground disturbing activities related to pipeline construction				
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Notify Caltrans about the schedule for project construction.	60 days prior to site preparation	11/15/01	8/9/01	8/13/01	Complete

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TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.	30 days after completion of project construction				
TRANS-7	Prepare and submit a parking and staging plan for all phases of project construction.	Submit the parking and staging plan to the City of San Jose and Santa Clara County for review and comment, and to the CPM for approval.	60 days prior to start of site preparation	10/2/01	10/2/01	10/24/01	Complete
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Contact the City regarding the status of the off-site portion of the Santa Teresa Boulevard connection and inform the CPM.	12 months prior to commercial operation				
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed by MEC is ready for inspection.	60 days prior to commercial operation				
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Notify residents and establish/post telephone number	15 days prior to start of rough grading and steam blows	12/30/01	10/3/01	N/A	Complete for start of rough grading
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed by the project manager attesting that the above notification has been performed.	Monthly Construction Report Following the Start of Rough Grading	2/14/02	2/14/02	N/A	Complete
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed attesting that notification was send to all residents within a 1-mile radius of the project.	Commence Steam blow				
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Transmit a statement signed by the project manager attesting that a notification was send to all residents within a one-mile radius of the project.	Monthly Construction Report Following the Steam Blow activity				
NOISE-2	Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints.	File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPM documenting the resolution of the complaint.	30 days after receiving a noise complaint				
NOISE-3	Submit to the CPM for review a Noise Control Program.	Submit to the CPM the above referenced program.	30 days prior to Rough Grading	12/15/01	6/12/01	7/27/01	Complete
NOISE-4	If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.	Submit to the CPM drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.	15 days prior to first Steam Blow				
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit a summary report of the survey to City of San Jose and the CPM.	Within 30 days after completing survey				
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit to the CPM a summary report of a new noise survey.	Within 30 days of completion of installation of these measures				
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater	Thirty days after the facility is operating at an output of 80%				
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	Submit the noise survey report to the CPM. The project owner shall also submit the report to OSHA upon request.	Within 30 days after completing the survey				

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NOISE-7	Construction shall be restricted to the hours of: 7 a.m. to 7 p.m. on weekdays and from 8 a.m. to 6 p.m. on weekends and holidays.	Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.	First Monthly Compliance Report	11/15/02	11/15/02	N/A	Complete
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit proposed plan to the CPM for review and approval.	60 days prior to ordering first equipment that is color treated				
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification				
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Not less than thirty (30) days prior to the start of commercial operation				
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	Annual Compliance Report				
VIS-2	Any fencing for the project shall be non-reflective.	Submit the specifications to the CPM for review and approval.	At least 30 days prior to ordering the non-reflective fencing				
VIS-2	Any fencing for the project shall be non-reflective.	If the CPM notifies the project owner that revisions of the submittal are needed the project owner shall prepare and submit a revised submittal.	Within 30 days of receiving notification				
VIS-2	Any fencing for the project shall be non-reflective.	Notify the CPM that the fencing is ready for inspection.	Within 7 days after completing installation of the fencing				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Notify the CPM that the lighting is ready for inspection.	Within seven (7) days of completing exterior lighting installation				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.	Ninety (90) days before ordering the exterior lighting.				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal	Within 30 days of receiving notification				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Notify the CPM after completing the surface restoration that it is ready for inspection.	Within seven days after completing the surface restoration				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.	At least sixty days prior to beginning implementation of the surface restoration				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification				

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VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	The temporary and long-term aesthetic screening installations are ready for inspection.	Within seven days after implementing the proposed plan				
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.	At least ninety (90) days before intended removal of the temporary aesthetic screen				
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of notification				
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Notify the CPM that the temporary aesthetic screening removal is ready for inspection.	Within seven days after implementing the proposed plan				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01		Submitted.Comments rec'd from SJ incorporated prior to submittal.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/2001, 12/18/01	2/15/02 (Aesthetic screen)	Revised Monterey Rd. plan submitted 12/18/01. Submitted revised Plan to City of San Jose Dept. of Public Works.
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment and the CPM for review and approval.	At least sixty (60) days prior to installing the screening				
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.	Submit any required revisions	Within 30 days of notification				
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.	The project owner shall notify the CPM when ready for inspection	Within seven days after completing installation of the screening				

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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment.	90 days prior to start of construction	6/3/02	6/12/01		Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.	90 days prior to start of construction	6/3/02	6/12/01		Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit any required revisions	Within thirty (30) days of notification by the CPM.				
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.	Within seven (7) days after completing the implementation of the proposed plan				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.	At least sixty (60) days before the beginning of construction of the gas metering station				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the CPM for review and approval.	At least sixty (60) days before the beginning of construction of the gas metering station				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit any required revisions.	Required revision by CPM per VIS-8				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.	Within seven (7) days after implementing the proposed plan				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of architectural treatment				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the CPM for review and approval.	At least sixty (60) days prior to the start of architectural treatment				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.	Within thirty (30) days of notification by the CPM				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Notify the CPM in writing that all structures are ready for inspection.	Thirty (30) days prior to the start of commercial operation				
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of construction	7/3/02	9/6/01	N/A	Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the CPM for review and approval.	At least sixty (60) days prior to the start of construction	7/3/02	9/5/01		Submitted. CEC comments received.

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START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	The project owner shall submit any required revisions.	Within 30 days of notification by the CPM.				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	The project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan.	Start of construction of the trail between Blanchard Road and railroad tracks				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit to the CPM for review and approval a specific plan describing its landscape plan.	Start of construction of the trail between Blanchard Road and railroad tracks				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit any required revisions.	Within 30 days of notification by the CPM.				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planting installation is ready for inspection.	7 days after completion of planting installation				
VIS-12	Contact the owners of property along Blanchard Road and develop, a plan to screen views of the project from each property if so desired by a property owner.	Provide to the CPM a report on the landscaping/screening plan.	15 days prior to project construction	8/17/02			In progress
VIS-12	Contact the owners of property along Blanchard Road and develop, a plan to screen views of the project from each property if so desired by a property owner.	Notify the CPM when any measures are ready for inspection.	Measures are ready for inspection				
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Submit name and qualifications.	90 days prior to site preparation	10/16/01	7/26/01	7/27/01	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction.	At least 10 days but no more than 30 days prior to the start of earth disturbing activities	12/15/01	7/26/01	9/25/01 1/22/02	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Obtain CPM approval of the replacement specialist.	10 days prior to termination of Cultural Specialist				
CUL-2	Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the designated cultural resource specialist and the CPM with the maps and drawings.	75 days prior to the start of earth disturbing activities	10/31/01	9/20/01	11/1/01	Complete
CUL-3	CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.	Submit the Cultural Resources Monitoring and Mitigation Plan.	60 days prior to project site preparation	11/15/01	6/12/01	12/15/01	Complete. Will provide an addendum when appropriate.
CUL-4	WEAT for cultural resources	Submit to the CPM for review and written approval, the proposed WEAT.	60 days prior to the start of construction on the project	11/15/01	9/20/01	12/5/01	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	7 days after start of construction	1/21/02	9/29/01 1/29/02	2/10/02	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	Monthly Compliance Report				In progress
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	Provide the CPM with a letter confirming CUL-6.	30 days prior to site preparation	12/15/01	7/20/01	8/6/01	Complete

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START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.	Within 24 hours of cultural resource discovery				
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	10 days prior to site preparation	1/4/02	9/28/01	1/14/02	Complete
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	Monthly Compliance Report				In progress
CUL-8	CRS/monitor keep a daily log of any resource finds and the progress or status of the resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.	Copies of the weekly summary reports shall be submitted to the CPM in the Monthly Compliance Report.	Monthly Compliance Report				In progress
CUL-9	Except in the areas specified in CUL-3(i), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.	Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resource monitoring.	Monthly Compliance Report				In progress
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Submit a copy of any permit addressing data recovery excavation.	Monthly Compliance Report				
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Provide written documentation to the permitting agency of compliance with any mitigation measures.	Completion of mitigation activity				
CUL-11	Ensure that the CRS performs the recovery, etc. of all cultural resource materials encountered and collected.	Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialists.	Periodic Audit by the CPM				
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Submit it to the CPM for review and written approval.	7 days after completion of the proposed scope of work,				
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Ensure that the designated cultural resources specialist prepares the proposed scope of work .	Completion of Data Recovery per CUL-12				
CUL-13	Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPM for review and written approval.	Ensure that the designated cultural resource specialist completes the Cultural Resources Report.	Within 90 days following completion of the data recovery and site mitigation work				
CUL-13	Prepare a Cultural Resources Report as described in CUL-13.	Submit the Cultural Resources Report to the CPM for review and written approval.	Within seven (7) days after completion of the report				

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START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
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CUL-14	Submit an original, an original-quality copy, and a computer disc copy, of the CPM-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, with copies to the State Historic Preservation Officer (SHPO), the appropriate regional archaeological information center(s), and a person employed by the City of San Jose who is authorized to receive confidential cultural resources information.	Provide to the CPM documentation that the report has been sent to the public repository receiving the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Within thirty (30) days after receiving approval of the Cultural Resources Report				
CUL-15	Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.	Ensure that all recovered cultural resource materials are delivered for curation. For the life of the project, maintain copies of signed contracts or agreements with the public repository.	Within thirty (30) days after providing the CPM-approved Cultural Resource Report to the entities				
CUL-16	Consult with Ohlone/Costanoan Native American tribal representatives to develop an agreement(s) for qualified monitor(s).	Provide the CPM with a copy of all finalized agreements for Native American (Ohlone/Costanoan) monitor(s).	30 days prior to site preparation	12/15/01	8/8/01	8/15/01	Complete
CUL-17	Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or PG& E metering station.	Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report.	Monthly Compliance Report				
CUL-18	Comply with Cul-1, Cul-4 and Cul-5. Comply with Cul-2 and Cul-3 for the entire project. CRS shall xamine the area of initial project site mobilization.	Provide the CPM with information authored by the CRS identifying the area of initial site mobilization.	7 days prior to site mobilization	1/7/02	10/2/01	12/15/01	Complete
CUL-19	If the potable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.	Submit the results of the records search and the results of the survey.	90 days prior to start of construction of wells				
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Submit copies of contractor, subcontractor, and vendor solicitations and guidelines stating hiring and procurement requirements and procedures.	60 days prior to site preparation	11/15/01	7/20/01	8/8/01	Complete
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional area that will occur during the next two months.	Monthly Compliance Report				In progress
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Pay the statutory school facility development fee as required at the time of filing.	At Time of Filing				
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Provide proof of payment of the statutory development fee.	Monthly Compliance Report after fees are paid				
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	Submit name, qualifications, address and telephone number of the individual selected.	60 days prior to start of ground disturbance	11/15/01	7/23/01	7/27/01	Complete

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START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	If the CPM determines the proposed Designated Biologist to be unacceptable, submit another individual's name and qualifications for consideration.	Notification by CPM that proposed Designated Biologist is unacceptable				
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Biologist shall maintain written records of the tasks described.	Monthly Compliance Report				In progress
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Submit record summaries in the Annual Compliance Report.	Annual Compliance Report				
BIO-3	Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.	Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with a condition.	Within 2 working days of notification of non-compliance				
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide the CPM with the final version of the BRMIMP.	45 days prior to start of ground disturbance	11/30/01	7/23/01	8/30/01	Complete
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide to the CPM for review and approval, a written report identifying which items of the BRMIMP have been completed.	30 days after construction complete				
BIO-5	Develop the riparian corridor planting plan for inclusion into the BRMIMP.	Provide to the CPM for review and approval the riparian restoration plan.	45 days prior to ground disturbance	11/30/01	7/23/01	10/17/01	Complete
BIO-6	Develop WEAT for biological resources.	State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.	Monthly Compliance Report				In progress
BIO-6	Develop WEAT for biological resources.	Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.	60 days prior to start of rough grading	11/15/01	9/20/01	12/5/2001 3/13/02 (video)	Complete
BIO-7	Acquire a SAA from CDFG.	Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.	30 days prior to the start of any streambed alteration disturbances				In progress
BIO-8	Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.	Submit to the CPM a copy of the USFWS Biological Opinion.	45 days prior to the start of ground disturbance	11/30/01	7/23/01	7/27/01	Complete
BIO-9	Provide a final copy of the Nationwide No.7 permit.	Submit to the CPM a copy of the Nationwide No. 7 permit.	30 days prior to the start of any streambed alteration				In progress
BIO-10	Provide 116 acres of land on Tulare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds.	Provide to the CPM for approval, the name of the management entity, written verification that the compensation lands have been purchased and written verification that the appropriate endowment fund has been received.	Within one week of commencing ground disturbance activities	1/21/02	2/26/02		Submitted
BIO-11	Develop a suitable final habitat management and monitoring plan for lands purchased on Tulare Hill and Coyote Ridge.	Provide the CPM with the final approved version of the management plan. Incorporate into BRMIMP.	60 days prior to start of ground disturbance	11/15/01	6/25/01	7/9/01	Complete
BIO-12	Incorporate into closure plan measures that address the local biological resources and incorporate into the BRMIMP.	Address all biological resource-related issues associated with facility closure.	12 months prior to facility closure				

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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
BIO-13	Comply with BIO-1, BIO-2, and BIO-10 and complete BIO-6. Examine the area and ensure no special status species are present.	Provide the CPM with the location,date(s), methods(s), and results of the pre-examination.	10 days prior to mobilization	1/4/02	9/28/01	10/17/01	Complete
SOIL & WATER-1	Disinfected, tertiary-treated, recycled water will be used at the Metcalf Energy Center for cooling purposes and other appropriate non-potable uses.	Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.	Construction complete				
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Monthly Compliance Report				
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Annual Compliance Report				
SOIL & WATER-1	Provide a firm commitment for its construction water supply.	Submit commitment to CPM.	30 days prior to the start of construction	8/2/02	12/5/01	12/28/01	Complete
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Submit a copy of the SWPPP to the CPM for review and approval.	30 days prior to start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Approval of the plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	1/14/02	8/31/01	10/18/01	Complete for project site
SOIL & WATER-3	Final erosion control and revegetation plan that addresses all project elements.	Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site
SOIL & WATER-4	Obtain SCVWD approval for all activities within floodways or upon or within the banks of watercourses.	Obtain SCVWD approval.	30 days prior to ground disturbance	12/15/01	8/31/01	1/25/02	Complete (4 permits)
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP).	60 days plor to commercial operation				
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP).	2 weeks prior to commercial operation				
SOIL & WATER-6	Industrial Discharge Permit from the City of San Jose Environmental Services Division.	Provide the CPM a copy of a valid Industrial Discharge Permit.	45 days plor to commercial operation				
SOIL & WATER-7	Obtain a Section 401 Certification from the San Francisco RWQCB.	Submit to the CEC CPM a copy of the Section 401 Certification.	30 days prior to the start of any streambed alteration activities				In progress
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit the following to the Energy Commission CPM: all construction specifications, a copy of the valid well permit(s) and registration numbers, any construction or operation conditions.	30 days plor to construction of wells				
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.	30 days after completion of wells				
SOIL & WATER-9	Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC.	Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.	30 days prior to start of construction	8/2/02	8/24/01	10/1/01	Complete

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Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
GEO-1	Assign to the project an engineering geologist(s).	Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s).	30 days prior to start of construction	8/2/02	7/27/2001 1/28/02	N/A	Complete
GEO-1	Assign to the project an engineering geologist(s).	Notify CPM of replacement of Engineering Geologist	Replacement of Engineering Geologist	1/28/02	1/28/02	2/6/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit Grading Permit Application	Application for Grading Permit per GEO-2	1/11/02	1/11/02	4/4/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO .	15 days after submittal of application	1/26/02	1/14/02	1/24/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit copies of the Final Engineering Geology Report to the CPM and the CBO.	90 days following completion of Final Grading				
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Submit the name and resume and the availability for its designated paleontological resource specialist.	90 days prior to start of construction	6/3/02	7/26/01	7/27/01	Complete
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Obtain CPM approval of the replacement specialist.	10 days prior to termination or release of PRS				
PAL-2	Prepare Paleontologic Resources Monitoring and Mitigation Plan.	Provide the CPM with a copy of the Monitoring and Mitigation Plan.	60 days prior to start of construction	6/12/01	6/12/01	7/27/01	Complete
PAL - 3	WEAT for paleo resources.	Submit to the CPM for review, comment, and written approval, the WEAT.	30 days prior to start of construction	9/20/01	9/20/01	10/3/2001 3/20/02 (video)	Complete
PAL-3	WEAT for paleo resources.	Documentation for training of additional new employees.	Monthly Compliance Report				In progress
PAL-4	The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.	Include a summary of paleontological activities.	Monthly Compliance Report				In progress
PAL-5	Ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials.	Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report.	Periodic Audit by the CPM per PAL-5				
PAL-6	Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.	Submit a copy of the Paleontological Resources Report to the CPM for review and approval.	Within 90 days following completion of the analysis				
PAL-7	Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Include a description of closure activities in the facility closure plan.	Facility Closure Plan				
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Decision have been met.	Within 30 days after receipt of the Certificate of Occupancy.				
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Provide the CPM a copy of the Certificate of Occupancy.	Within 30 days after receipt of the Certificate of Occupancy.				

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GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.	60 days prior to start of rough grading	11/15/01	10/4/01	10/18/01	Complete
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Provide schedule updates in Monthly Compliance Report	Monthly Compliance Report				
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Make the required payments to the CBO at the time of submittal.	Submittal of plans to the CBO.				In progress
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Send a copy of the CBO's receipt of payment to the CPM.	Monthly Compliance Report after Fees are Paid	11/15/01	12/14/01	N/A	In progress
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit to the CBO for review and approval, the name, qualifications and registration number of the RE.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approvals of the RE.	Within 5 days of CBO approval	8/12/01	9/19/01	N/A	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	12/12/01	12/12/01	1/16/02	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO 's approval of the new engineer (RE).	Within 5 days of CBO approval	1/21/02	1/18/02	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	The project owner shall notify the CPM of the CBO 's approvals of the engineers within five days of the approval.	Within 5 days of CBO approval	8/12/01	8/16/01	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit qualifications of replacement engineer.	Within 5 days		12/17/01 11/26/01	1/16/02 1/18/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Notify the CPM of the CBO 's approval of the new engineer.	Within 5 days of CBO approval		1/18/02 & 1/28/02	N/A	Complete
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications.	15 days plor to any activity requiring Special Inspection		1/11/02	1/16/02	In progress
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CPM a copy of the CBO's approval.	Monthly Compliance Report after Special Inspectors are approved		2/14/02		In progress
GEN-6	Assign qualified and certified special inspector(s).	Replacement of special inspectors	Replacement of Special Inspector				
GEN-6	Assign qualified and certified special inspector(s).	Notify the CPM of the CBO's approval of the newly assigned inspector.	Within 5 days of CBO approval				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Submit monthly construction progress reports to the CBO and CPM.	Monthly Construction Progress Report				In progress
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Document the discrepancy and recommend the corrective action required.	Discrepancy in Design or Construction				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Ttransmit a copy of the CBO 's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of CBO Approval or Disapproval of Discrepancy				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO 's approval.	Within 5 days of CBO Approval or Disapproval of Discrepancy				
GEN-8	Obtain the CBO's final approval of all completed work.	Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans.	Within 15 days of the completion of any work				
CIVIL-1	Prior to the start of site grading,submit to the CBO for review and approval the following:1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit the documents described above to the CBO for review and approval.	15 days prior to start of rough grading	12/30/01	8/27/01	4/2/02	Complete (Except for approval of Construction Facilities Plan, Rev.2)
CIVIL-1	Prior to the start of site grading,submit to the CBO for review and approval the following:1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit a written statement certifying that the documents have been approved by the CBO.	Monthly Compliance Report after CIVIL-1 Documents are Approved	5/14/02	5/14/02		Submitted with May Monthly Compliance Report.
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Notify CPM within 5 days when work is stopped.	Within 5 days when work is stopped				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Submit modified plans, specifications and calculations to the CBO based on new conditions.	Work Stopped Due to Unforseen or Adverse Soil Conditions				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Copy CPM within 5 days of CBO approval of Modified Plans.	5 days of CBO approval				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Start of Rough Grading				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	The resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report and the proposed corrective action.	Within 5 days of discovery of discrepancy in grading				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Submit the details of the corrective action to the CBO and the CPM.	Within 5 days of resolution of grading NCR.				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	A list of NCR's, for the reporting month, shall also be included in the following Monthly Compliance Report.	Monthly Compliance Report after Resolution of Grading NCR.				
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit to the CBO the responsible Civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans.	30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities				
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit a copy of this report to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report Following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.	30 days plor to any increment of STRUC-1 Construction				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Obrain approval from the CBO of lateral force procedures proposed for project structrues. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations. The final designs, plans, calculations and specifications shall be signed and stamped by the responsible design engineer.	90 days prior to the start of on-site fabrication and installation of each structure				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.	Within 20 days of receipt of the nonconforming submittal				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.	Approval by the CBO of Resubmitted STRUC-1 Submittal				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit test reports and inspection reports to the CBO	Test Reports or Inspection Reports are Complete				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.	Within 5 days of discovery of discrepancy				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit a copy of the corrective action to the CBO and the CPM.	Within five days of resolution of the NCR				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Transmit a copy of the CBO 's approval or disapproval of the corrective action to the CPM.	Within 15 days of CBO approval				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO 's approval.	Within 5 days of CBO disapproval				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.	Design Changes to STRUC-1 Designs Previously Approved by the CBO				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to the start of installation of the tanks or vessels				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Transmit a copy of the CBO 's inspection approvals to the CPM.	Monthly Compliance Report				
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.	30 days prior to the start of any increment of piping construction				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Transmit a copy of the CBO 's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO inspection Approval of MECH-1 Piping Systems				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification, with a copy to the CPM.	30 days prior to the start of on-site fabrication or installation of any pressure vessel				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Transmit a copy of the CBO 's and/or Cal-OSHA inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Submit to the CBO the required HVAC and refrigeration calculations, plans and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer, with a copy to the CPM.	30 days prior to the start of construction of any HVAC or refrigeration system				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC	30 days prior to the start of construction of any of the above systems				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.	Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Transmit a copy of the CBO 's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.	Monthly Compliance Report after CBO Inspection of HVAC System per MECH-4				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer.	30 days prior to the start of each increment of electrical construction				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Send a copy of the transmittal letter of the signed and stamped statement from the electrical engineer attesting compliance with the applicable LORS to the CPM.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-1				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	The following activities shall be reported in the Monthly Compliance Report: 1. Receipt or delay of major electrical equipment, 2. Testing or energization of major electrical equipment.	Monthly Compliance Report after Receipt or Testing of Equipment or CBO Approval of Electrical Drawings per ELEC-1				
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Submit to the CBO for review and approval the final design plans, specifications and calculations, for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LORS.	30 days prior to the start of each increment of electrical equipment installation				
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Send a copy of the transmittal letter of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-2				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, grounding systems and major switchyard equipment.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.	60 days prior to construction of transmission facilities				
TSE-2	Inform the CPM of any impending changes which may not conform to the requirements of 1a - h listed in TSE-1 and request CPM approval to implement changes.	Iinform the CPM of any impending changes which may not conform.	60 days prior to construction of transmission facilities				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM "as built" engineering description(s) and one-line drawings of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Ttransmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH PRE-CONSTRUCTION MILESTONES TO ENABLE START OF CONSTRUCTION WITHIN ONE YEAR OF CERTIFICATION	Project Certification	10/24/01	10/24/01	11/19/01	Complete
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH CONSTRUCTION MILESTONES FROM DATE OF START OF CONSTRUCTION	Project Certification	10/24/01	10/24/01	11/19/01	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
US Dep Commerce	The project applicant shall notify the NMFS Santa Rosa office when project construction begins and ends. (horizontal drilling)	Notify NMFS	Start of Rough Grading				
Pre-constr matrix	Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.	Construction shall not commence until the pre-construction matrix is submitted, all pre-construction conditions have been complied with, and the CPM has issued a letter to the project owner authorizing construction.	Start of Construction				
Compliance matrix	A compliance matrix shall be submitted by along with each monthly and annual compliance report.	Submit compliance matrix to CPM	Monthly Compliance Report	11/15/01	11/15/01		In progress

PUBLIC CONTACT LOG
COMPLAINTS, NOTICES OF VIOLATION, OFFICIAL WARNINGS AND CITATIONS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

MEC PUBLIC CONTACT LOG - April 2002

DATE/TIME	NAME & CONTACT	FORM OF CONTACT	PURPOSE OF CALL/CONTACT	ACTION/RESOLUTION	DATE/TIME OF RESPONSE	MEC REP
4/15/2002	No name or phone number left (it was later learned by Steve Munro that the caller was Lois Powell and that she lives at the end of Blanchard Road)	Info. line	She called to complain that the security guard was shining a flashlight into her car every time she drove by the site. She felt that it was annoying and that he didn't need to do that once he realized that she was a resident nearby.	Referred this issue to Kristen Sipes, who had Mortenson talk to the guard to ask him not to shine the light on her car each time as long as he could identify her car from prior times. The security company's Branch Manager was also contacted. Art Gonzales then tried to contact Ms. Powell by going to her home. When he received no response, he left his card on her windshield with a note for her to contact him.	4/16/02 - 4/17/02	Poelle, Sipes, Gonzales

CBO Matrix

Submittals, comments and approvals

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #7

STATUS OF CBO SUBMITTALS FOR APRIL 2002

CIVIL-1	0	TECHNICAL SPECIFICATION FOR EARTHWORK, GRADING AND STRUCTURAL BACKFILL	Approved	CLOSED	11/15/2001	10/22/01		4/2/02
CIVIL-1	0	SITE PLAN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	SITE PLAN	Approved	CLOSED	N/A	10/15/01	10/31/01	10/26/01
CIVIL-1	0	CONSTRUCTION FACILITIES	Comments	OPEN	9/18/2001	8/27/01		
CIVIL-1	2	CONSTRUCTION FACILITIES		OPEN		2/27/02		
CIVIL-1	2	CONSTRUCTION FACILITIES	Resubmittal	OPEN		4/25/202		
CIVIL-1	0	PLOT PLAN	Approved	CLOSED	10/26/2001	9/18/01		4/2/02
CIVIL-1	0	STORM WATER PIPING PLAN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	STORM WATER PIPING PLAN	Approved	CLOSED	10/26/2001	10/10/01		4/2/02
CIVIL-1	0	CLEARING, STRIPPING, AND STOCKPILE PLAN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	CLEARING, STRIPPING, AND STOCKPILE PLAN	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	EROSION CONTROL DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	EROSION CONTROL DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	DRAINAGE DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	DRAINAGE DETAILS	Approved	CLOSED	10/26/2001	10/10/01		4/2/02
CIVIL-1	0	ROUGH GRADING DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	ROUGH GRADING DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	DRAINAGE HEADWALL DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	DRAINAGE HEADWALL DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	ROUGH GRADING SECTIONS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	ROUGH GRADING SECTIONS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	RETAINING WALL PLAN, PROFILE AND DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	RETAINING WALL PLAN, PROFILE AND DETAILS	Comments	CLOSED	10/26/2001	10/10/01		
CIVIL-1		RETAINING WALL PLAN, PROFILE AND DETAILS	Comments	CLOSED	3/19/2002	3/15/02		
CIVIL-1	FCR-0002	RETAINING WALL PLAN, PROFILE AND DETAILS	Approved	CLOSED	4/8/2002			4/8/02

STATUS OF CBO SUBMITTALS FOR APRIL 2002

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CIVIL-1	0	ROUGH GRADING PLAN PHASE 1	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	ROUGH GRADING PLAN PHASE 1	Approved	CLOSED	N/A	10/15/01	10/31/01	10/26/01
CIVIL-1	2	ROUGH GRADING PLAN PHASE 1	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	3	ROUGH GRADING PLAN PHASE 1		CLOSED		10/25/01		
CIVIL-1	0	ROUGH GRADING PLAN PHASE 2	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	ROUGH GRADING PLAN PHASE 2	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	MAIN ACCESS ROAD PLAN AND PROFILE	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	MAIN ACCESS ROAD PLAN AND PROFILE	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	RAILROAD PLAN AND PROFILE	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	RAILROAD PLAN AND PROFILE	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	DESIGN OF REINFORCED CONCRETE RETAINING WALL	Comments	CLOSED	10/26/2001	10/10/01		
CIVIL-1	1	EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	2	EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	ENGINEERING GEOLOGY REPORT	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1		ENGINEERING GEOLOGY REPORT		CLOSED				
CIVIL-1		ENGINEERING GEOLOGY REPORT	Approved	CLOSED				4/2/02
CIVIL-1	0	PRELIMINARY STORM WATER MANAGEMENT BASIN SIZING CALCULATION	Approved	CLOSED	9/18/2001	8/27/01		4/2/02
CIVIL-1	0	STORM DRAIN SYSTEM DESIGN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	STORM DRAIN SYSTEM DESIGN	Approved	CLOSED	10/26/2001	10/10/01		4/2/02
CIVIL-1	0	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Comments	CLOSED	N/A	11/30/01		

STATUS OF CBO SUBMITTALS FOR APRIL 2002

CIVIL-1	1	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT (SEALED)	Approved	CLOSED	N/A	1/4/02	1/8/2002	4/2/02
CIVIL-1		MR. KIT YIN NG, RPE CIVIL DRAINING/ERSION CONTROL	Approved	CLOSED		8/3/01	8/7/01	8/7/01
CIVIL-1		MR. BILL PETROSKI, HYDRAULIC ENGINEER (RESUBMITTAL)		CLOSED		12/26/01		
GEO-2		ENGINEERING GEOLOGY REPORT	Approved	CLOSED				4/2/02
STRUC-1	0	FURNISHING AND DELIVERING READY-MIX CONCRETE		OPEN		10/19/01		
STRUC-1	0	CONCRETE AND EARTHWORK TESTING SERVICES		OPEN		10/19/01		
STRUC-1	C	SPECIFICATIONS FOR PILING, CONCRETE FILLED PIPE PILES	Comments	OPEN	3/1/2002			
STRUC-1		CONCRETE FORMWORK, CURING AND GROUT (Specificatons 03100)	Comments	OPEN	3/15/2002	1/31/02		
STRUC-1		CONCRETE FORMWORK, CURING AND GROUT (Specificatons 03100)	Approved	CLOSED				3/26/02
STRUC-1	A	CONCRETE CURING (Spec. 03390)	Comments	OPEN	3/15/2002	1/31/02		
STRUC-1		CONCRETE CURING (Spec. 03390)	Approved	CLOSED				3/26/02
STRUC-1	A	GROUT (Spec. 03600)	Comments	OPEN	3/15/2002	1/31/02		
STRUC-1	0	GROUT (Spec. 03600)		OPEN		3/20/02		
STRUC-1		GROUT (Spec. 03600)	Approved	CLOSED				3/26/02
STRUC-1		CIVIL STRUCTURAL DESIGN CRITERIA	Comments	OPEN	4/18/2002			
STRUC-1	0	DESIGN OF CONCRETE FILLED PIPE PILES		OPEN		4/2/02		
STRUC-1	0	COMBUSTION TURBINE FOUNDATION DESIGN-UNIT#1		OPEN		4/2/02		
STRUC-1	0	STEAM TURBINE PEDASTAL FOUNDATION DESIGN		OPEN		4/2/02		
STRUC-1	0	MAT FOUNDATION FOR HRSG AND STACK -UNIT#1		OPEN		4/2/02		

STATUS OF CBO SUBMITTALS FOR APRIL 2002

STRUC-1	0	COMPOSITE PILE PLAN		OPEN		4/2/02		
STRUC-1	0	PILE SECTIONS AND DETAILS		OPEN		4/2/02		
STRUC-1	0	UNIT#1-COMBUSTION TURBINE GENERATOR PILE LOCATION PLAN		OPEN		4/2/02		
STRUC-1	0	STEAM TURBINE GENERATOR PEDASTAL PILE LOCATION PLAN		OPEN		4/2/02		
STRUC-1	0	HRSG PILE LOCATION PLAN-UNIT#1		OPEN		4/2/02		
STRUC-1	0	PILING DRAWINGS & CALCS. FOR CTG, STG & HRSG FOUNDATIONS		OPEN		4/4/02		
STRUC-1	0	PILE DRAWINGS & CALCS. FOR HRSG FOUNDATIONS		OPEN		4/12/02		
STRUC-1		SEISMIC CALCULATIONS, 200 GALLON RESERVOIR HYDRAULIC POWER UNIT	Approved	CLOSED				5/10/02
STRUC-1		REPORT ON SEISMIC DESIGN MOTIONS	Approved	CLOSED	N/A			3/21/2002
STRUC-1		DESIGN WIND SPEED	Approved	CLOSED				3/19/02
STRUC-1		DESIGN REPORT FOR W501F EXHAUST SYSTEM DIFFUSER	Approved	CLOSED				4/24/02
STRUC-1		GENERAL NOTES AND TYPICAL DRAWINGS	Approved	CLOSED				4/30/02
STRUC-1	0	CTG UNITS 1&2 FOUNDATION PLAN (CALCS.)		OPEN		4/16/02		
STRUC-1	0	CTG UNITS 1&2 FOUNDATION PLAN (DRAWING S205)		OPEN		4/16/02		
STRUC-1	0	CTG UNITS 1&2 FOUNDATION - SECTIONS (DRAWING S206)		OPEN		4/16/02		
STRUC-1	0	CTG UNITS 1&2 FOUNDATION - SECTION & DETAILS (DRAWING S208)		OPEN		4/16/02		

STATUS OF CBO SUBMITTALS FOR APRIL 2002

STRUC-1	0	CTG UNITS 1&2 FOUNDATION - EMBEDDED ITEMS (DRAWING S210)		OPEN		4/16/02		
MECH-1	B	P&ID FIRE PROTECTION SYSTEM		OPEN		10/31/01		
MECH-1	B	P&ID FIRE PROTECTION SYSTEM		OPEN		10/31/01		
MECH-1	B	P&ID DOMESTIC WATER SYSTEM		OPEN		10/31/01		
MECH-1		P&ID SANITARY WASTE SYSTEM						
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
GEN-2	0	CONCRETE WORK		OPEN		10/19/01		
GEN-2	0	EMBEDDED STEEL AND ANCHOR BOLTS		OPEN		10/19/01		
GEN-2	0	PURCHASE AND FABRICATION OF REINFORCING STEEL		OPEN		10/19/01		
GEN-2	1	BECHTEL CBO SUBMITTAL LIST		OPEN		10/17/01		
GEN-2		BECHTEL CBO SUBMITTAL LIST	Comments	CLOSED	10/16/2001	9/28/01		
GEN-2		PROPOSED LIST OF DOCUMENTS FOR THE CTG, STG, AND CONDENSER EQUIPMENT FOR SIEMENS WESTINGHOUSE	Comments	OPEN	9/28/2001	9/13/01		
GEN-2		GAS TURBINE DIFFUSER		OPEN		4/22/02		
GEN-4		MR. ARTHUR B. BUTIC, RESIDENT CIVIL ENGINEER	Approved	CLOSED		8/1/01	8/7/01	8/7/01
GEN-4		MR. SHUKE MIAO, RESIDENT CIVIL ENGINEER (RESUBMITTAL)	Approved	CLOSED		12/12/01	1/17/02	1/17/02
GEN-5		BIOLOGICAL SUMMARY AND ACCREDITATION OF Mr. JAMES THOMPSON FOR SIEMENS-WESTINGHOUSE	Approved	CLOSED	N/A	9/5/01	9/28/01	9/28/01

STATUS OF CBO SUBMITTALS FOR APRIL 2002

GEN-5		MR. THOMAS FRANKERT, CIVIL ENGINEER	Approved	CLOSED		8/1/01	8/7/01	8/7/01
GEN-5		MR. MARTIN BALLOD, CIVIL AND DESIGN ENGINEER	Approved	CLOSED		11/26/01	1/18/02	1/18/02
GEN-5		MR. MAHANDRA R. GANDHI, ELECTRICAL ENGINEER	Approved	CLOSED		8/1/01	8/7/01	8/7/01
GEN-5		MR. IRA RUBIN, ELECTRICAL ENGINNER (RESUBMITTAL)	Approved	CLOSED		11/26/01	1/18/02	1/18/02
GEN-5		MR. DEV CHATTOPADHYAY, MECHANICAL ENGINEER	Approved	CLOSED		8/1/01	1/18/02	1/18/02
GEN-5		MR. MIKE MASI, MECHANICAL ENGINEER (RESUBMITTAL)	Approved	CLOSED		11/26/01	1/18/02	1/18/02
GEN-5		MR. IGNACIO ARRANGO'S RESUME, GEO TECH ENGINEER	Approved	CLOSED	N/A	9/4/01	10/11/01	9/28/01
GEN-5		MR. C. BARRY BUTLER AND MR. RICHARD G. WOODARD, GEOTECHNICAL ENGINEERS (RESUBMITTAL)	Approved	CLOSED		12/17/01	1/16/02	1/16/02
GEN-6		MR. DAVID GRAY'S RESUME FOR SIEMENS WESTINGHOUSE	Approved	CLOSED	N/A	9/4/01	9/28/01	9/28/01
GEN-6		MR. JOHN NELSON AND ROMAN REYES, CIVIL ENGINEER RESUMES	Approved	OPEN	N/A	9/28/01	10/11/01	9/28/01

WILLDAN
Serving Public Agencies

2399 Gateway Oaks Drive, Suite 210
Sacramento, CA 95833
916-924-7000 telephone
916-924-3644 fax
www.willdan.com

April 4, 2002

Jim Ferrara
Burns & Roe Enterprises
2000 Crawford Place, Suite 100
Mt. Laurel, NJ 08054

SUBJECT: WILLDAN PLAN CHECK NO. 13254-2001
Condition of Certification CIVIL-1
Civil Plan Submittal

Dear Mr. Ferrara:

This office reviewed the submittal named above for compliance with the Commission Decision. Note that we have approved the submittal, less the Construction Facilities Plan without further comment.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Plan Review Coordinator

Enclosures

Cc:

Kristen Sipes

From: David Newman [DNewman@WILLDAN.com]
Sent: Wednesday, April 03, 2002 4:20 PM
To: Jim Ferrara (E-mail)
Cc: Don Wimberly; Eric Moran; Hans Kosten; Jim Guerra; Kristen Sipes (E-mail)
Subject: 13254--3010.doc

April 3, 2002

Metcalf Energy Center
4160 Dublin Blvd.
Dublin, CA 94568
Attn: Kristen Sipes

SUBJECT: **WILLDAN PLAN CHECK NO. 13254-3010**
Condition of Certification STRUC-1
Gas Turbine Documentation Transmittal

Dear Ms. Sipes:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted.

This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

Part 2. (1998 California Building Code)
Part 3. (1998 California Electrical Code)
Part 4. (1998 California Mechanical Code)
Part 5. (1998 California Plumbing Code)
Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit five sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Plan Review Coordinator

PLAN REVIEW COMMENTS

1) Comment Type: Structural, Sheet: 4 of 7
Detail: Wind Load.
Verify the pressure coefficient. 1.4 does not seem correct.

2) Comment Type: Structural, Sheet: 4 of 7
Detail: Wind Loads.
Maximum duct height seems to be higher than what is listed. Verify the height and show documentation.

3) Comment Type: Structural, Sheet: 5 of 7
Detail: Section H-H.
Section H-H reference sheet 4 and 5. There is no section H-H cut on sheet 5, but there are cuts on sheets 2 and 3. Please verify and fix the reference to section H-H on sheet 5.

4) Comment Type: Structural, Sheet: 6 of 7
Detail: Side Elevation.
There is a single arrow for a section B that references sheet 6. There is no such detail. Please clear up what you are trying to do here with this symbol.

END

WILLDAN
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Sacramento, CA 95833
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April 18, 2002

Jim Ferrara
Burns & Roe Enterprises
2000 Crawford Place, Suite 100
Mt. Laurel, NJ 08054

SUBJECT: **WILLDAN PLAN CHECK NO. 13254-3012**
Condition of Certification STRUC-1
Civil Structural Design Criteria

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted.

This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

Part 2. (1998 California Building Code)
Part 3. (1998 California Electrical Code)
Part 4. (1998 California Mechanical Code)
Part 5. (1998 California Plumbing Code)
Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit five sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Plan Review Coordinator

Cc:

PLAN REVIEW COMMENT

Type: Structural.
Page 19 of 25
Detail: Allowable pile Capacities
Comment: The 18" diameter pile shows less allowable compression load than the 16" although its lateral load is higher. The allowable tension load is the same. Please verify pile information. Seems that the pile should be higher capacity in both compression and tension.

END

WILLDAN
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www.willdan.com

April 23, 2002

Jim Ferrara
Burns & Roe Enterprises
2000 Crawford Place, Suite 100
Mt. Laurel, NJ 08054

SUBJECT: **WILLDAN PLAN REVIEW NO. 13254-3013**
Condition of Certification STRUC-1
General Notes and Details

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted.

This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

Part 2. (1998 California Building Code)
Part 3. (1998 California Electrical Code)
Part 4. (1998 California Mechanical Code)
Part 5. (1998 California Plumbing Code)
Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information. Submit four sets of revised plans, calculations, and other documents for review and approval. If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Plan Review Coordinator
Cc:

PLAN REVIEW COMMENTS

1. Provide two sets of plans with all sheets stamped and wet-signed by a California licensed architect or engineer. See California Business & Professional Code section 6735, 6737, and 5500.

2. Applicable codes for this project include the1998 California Building Code. Provide a general note stating the applicability of the California building Code. See CBC Section 106.3.2.

3. At sheet S101, specify the applicable design standard for permanent ladders. At sheet S 980, specify the spacing of ladder rungs. See CBC section 106.3.3.

4. At sheet S988, specify a landing at the foot of all stairs to grade. See CBC section 1003.3.3.5. Landing materials of crushed rock or gravel do not meet the intent of CBC.

5. At sheet S988, specify riser heights that do not vary by greater than 3/8-inch in a flight of stairs. See CBC section 1003.3.3.3. Specify this clearly in the plans, especially at the bottom riser at stairs to grade.

END

WILLDAN
Serving Public Agencies

2399 Gateway Oaks Drive, Suite 210
Sacramento, CA 95833
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www.willdan.com

April 26, 2002

Jim Ferrara
Burns & Roe Enterprises
2000 Crawford Place, Suite 100
Mt. Laurel, NJ 08054

SUBJECT: **WILLDAN PLAN CHECK NO. 13254-3014**
Condition of Certification STRUC-1
Pile Drawings and Calculations

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted. This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

Part 2. (1998 California Building Code)
Part 3. (1998 California Electrical Code)
Part 4. (1998 California Mechanical Code)
Part 5. (1998 California Plumbing Code)
Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit five sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Plan Review Coordinator

PLAN REVIEW COMMENTS

1) Comment Type: Calculation, Sheet: Calculations of
Lpile runs are for 60-foot piles. Geotech report states that the pile length is between 35 to 120 feet. Is it your responsibility to come up with the pile length needed?

2) Comment Type: Calculations, Sheet: of
The Lpile runs show all soil layers as sand. The geotech report states otherwise. Furnish Lpile runs with geotech recommended soil layers.

3) Comment Type: Structural, Sheet: S111 of
Detail: Details 1, 2, & 3.
How do you plan to fill only the top 15 feet of the pile? Furnish detail to add concrete to the top 15 feet only.

END